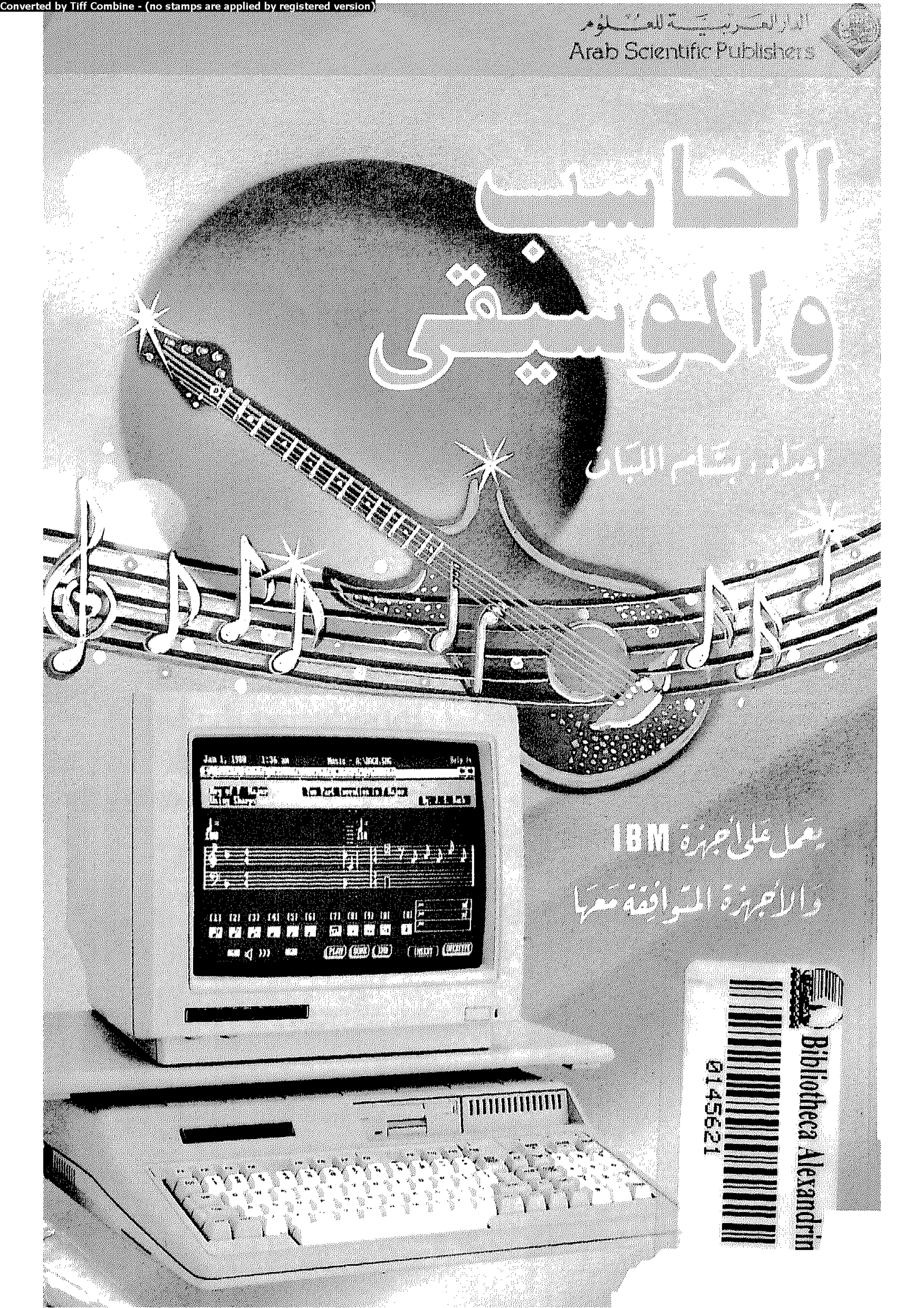
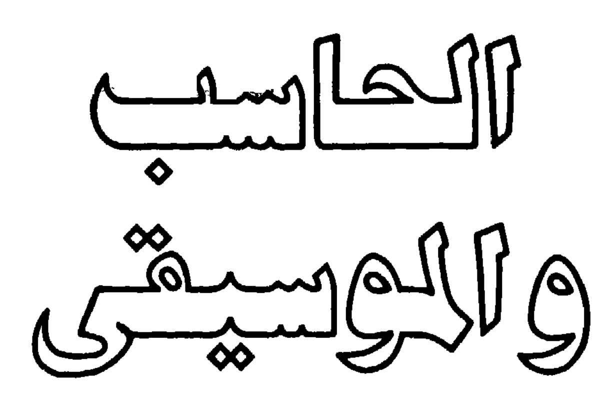


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الحاسب والموسيقى

بسم الله الرحمن الرحيم



يعمل على أجهزة IBM والأجهزة المتوافقة معها

إعداد : بسّام اللبان





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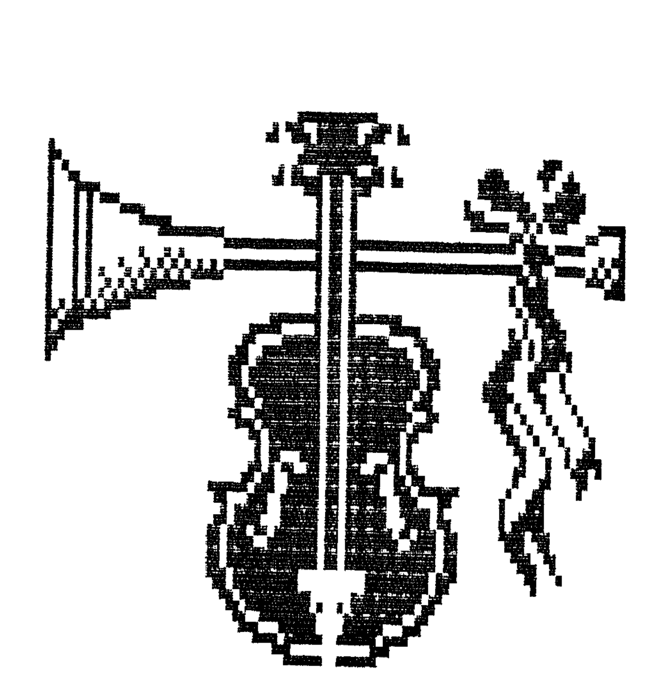
الطبعة الأولى
1408 - 1988

المقدمة

إن البرامج في هذا الكتاب ستعمل على أي جهاز للحاسب IBM-PC XT & AT وجميع الأجهزة المتوافقة معه. وهذه البرامج موضوعة لتبين قدرة هذه الأجهزة الشخصية الموسيقية التي توفرها لغة (بيسك).

تأكد من إدخال هذه البرامج كما هي تماماً، ومن الأفضل تسجيلها على قرص ممغنط حتى تتجنب إعادة عملية إدخالها كلما أردت تشغيلها. ليس هناك اسم معين لكل برنامج من هذه البرامج ولكننا سنحاول أن نضع له اسماً عند التعريف عن ذلك البرنامج، وذلك لضمان عدم استعمال إسمين لبرنامج واحد. نرجو أن تستمتع بنسخ هذه البرامج والاستماع إليها.

بسام عدنان اللبان



برامـج.. موسيقية

هذا الجزء من الكتاب يحتوي على سبعة برامـج صغيرة.

معزوفة كل واحد من هذه البرامـج معنونة في سطره الأول.

يمكنك قراءة هذا العنوان لمعرفة هذه المقطوعة.

إستمتع بإدخال هذه البرامـج والاستماع إليها.

لتسجيل هذه البرامـج استعمل لها هذه الأسماء تباعاً:

— SLEEVES
— STAR
— CABARET
— DREAM
— YESTERDAY
— DRAGON
— CHOPIN

SLEEVES

```
10 REM SLEEVES
20 MELODY$="DF4GA.B16AG4ECD16E"
30 BRIDGE$="O5 C3C. O4 B16AG4EC.D16E
"
40 PLAY "MB T60  L8; XMELODY$;F4DD.C
16DE4C O3 A4 O4"
50 PLAY "XMELODY$;F.E16DC+. O3 B16 O
4 C+D4DD3"
60 PLAY "XBRIDGE$;F4DD.C16DE4C O3 A3
 O4"
70 PLAY "XBRIDGE$;F.E16DC+. O3 B16 O
4 C+D3D4"
```

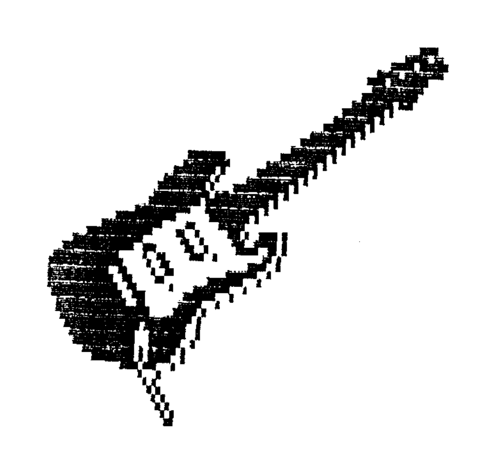
STAR

```
10 ' The Star Spangled Banner by Fra
ncis Scott Key
20 PLAY"MB T110"
30  FOR I=1 TO 2  ' refrain twice
40 PLAY"mlL8  n42.L16n39 mnL4 n35
 n39    n42 L2 n47 L8 n51.L16n49
"
50 PLAY"L4  n47    n39    n41 L2 n42
 L8 n42    n42 L4 n51.L8 n49     "
60 PLAY"L4  n47 L2 n46 L8 n44    n46
 L4 n47    n47    n42    n39    n35"
70 NEXT
80 PLAY"L8  n51    n51 L4 n51    n52
    n54 L2 n54 L8 n52    n51     "
90 PLAY"L4  n49    n51    n52 L2 n52
 L4 n52 L4 n51.L8 n49 L4 n47     "
100 PLAY"L2  n46 L8 n44    n46 L4 n4
7    n39    n41 L2 n42 L4 n42     "
110 PLAY"L4  n47    n47 mlL8 n47  n4
6 mn L4n44  n44    n44    n49     "
120 PLAY"ml L8 n52 mn n51  ml L8 n49
 mn n47  ml L4 n47 mn n46 L8  n42  n
42"
130 PLAY"mlL4n47.L8 n49mn  n51    n5
2 L2 n54 L8 n47    n49 L4 n51.    "
140 PLAY"L8  n52 L4 n49 L1 n47      "
```

CABARET

```
1000 rem CABARET
1010 CLEAR: DEFSTR L: TEMPO=220: PLA
Y "MFL4T=TEMPO;"
1020 LN1= "O2B-O3C2E-GB-2BO4CO3B-GB-
1P4"
1030 LN2= "O4CO3B-2GB-2O4C2O3G1..P4"
1040 LN3= "O4CE-2CE-2C2DO3B-2G1P4"
1050 LN4A= "O3GB-2GB-2C2G1..P4"
1060 LN4B= "O3GB-2GB-2C2E-1P4E-D.E-8
"
1070 LN5= "O3B1P4E-D.E-8B-1P4GF+G"
1080 LN6= "O4E-2E-2E-CDE-DE-FE-DO3B-
A-F"
1090 LN7= "O2B-O3C2E-GB-2BO4CO3B-GB-
1B"
1100 LN8= "O4CO3B-2GB-2O4C2D-1..P4"
1110 LN9A= "O4C.E-2CE-2C2D.F2O3B-1"
1120 LN9B= "O4C.E-2CE-2C2D.O3B-2G1"
1130 LN10A= "O4CE-2CE-2E-E-1P2O3E-D.
E-8"
1140 LN10B= "O4CE-2CE-2C2DF2O3B-2.B2
"
1150 LN11= "O4C2E-1C2E-1E-1E-1..P4"
1160 PLAY "xLN1;xLN2;xLN3;xLN4A;xLN1
;xLN2;xLN3;xLN4B;"
1170 PLAY "xLN5;xLN6;xLN7;xLN8;xLN9A
```

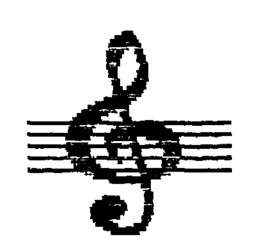
```
;xLN10A;"
1180 PLAY "xLN5;xLN6;xLN7;xLN8;xLN9B
;xLN10B;xLN11;"
```



DREAM

```
1000 REM IMPOSSIBLE DREAM
1010 CLEAR: DEFSTR L: TEMPO=108: PLA
Y "MFL8T=TEMPO;"
1020 LN1= "O3F2DE-FE-DF2..P8FG2E-FGF
E-G2..P8G"
1030 LN2= "O3A2DE-FGAB-E-2..FG2CDE-F
GA1D"
1040 LN3= "O3A2DE-FGAB-E-2..FG2E-FGA
B-O4C2.O3B-O4CO3B-"
1050 LN4= "O4D2P8O3B-B-O4CO3B-O4D2P8
O3B-B-O4CO3B-"
1060 LN5= "O4DO3A2B-O4CO3B-AO4C2P8O3
GB-AG"
1070 LN6= "O3B-2GAB-AGB-2B-O4CDCO3B-
"
1080 LN7= "O4DCO3B-O4DO3B-O4CDE-DC2.
P8CD"
1090 LN8= "O4E-2DCE-DCE-2DE-DCO3B-"
1100 LN9= "O3A2..AB-O4C2O3B-AO4CO3B-
A"
1110 LN10= "O4C2O3B-O4CO3B-AGG-2.P8D
E-"
1120 LN11= "O3F2DE-FE-DF2..E-F"
1130 LN12= "O3G2E-FGFE-G2..FG"
1140 LN13= "O3A2DE-FGAB-E-2..B-"
1150 LN14= "O4D2O3B-O4CDCO3B-B-1..P4
```

```
.B-"
1160 LN15= "O4D2O3B-O4CDCO3B-O4F1...
P4."
1170 PLAY "O3DxLN1;xLN2;xLN1;xLN3;xL
N4;xLN5;"
1180 PLAY "xLN6;xLN7;xLN8;xLN9;xLN10
;"
1190 PLAY "xLN11;xLN12;xLN13;xLN14;x
LN15;"
```



YESTERDAY

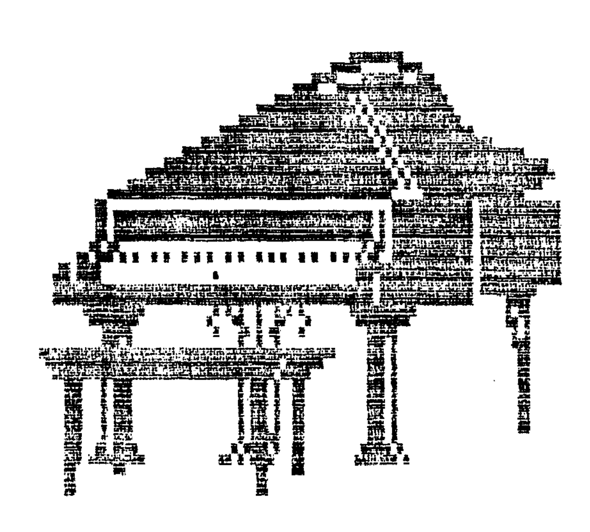
```
10 ' Yesterday
20 PLAY "t80
30 PLAY "o3
40 PLAY "mn
50 PLAY "ms18gfmnl2f.18p4ab
60 PLAY "o4c+defe.116d12d.18p4msddmn
c
70 PLAY "o3b-ag14b-ms18a14a.mn
80 PLAY "14gf18a14g.df18msa
90 PLAY "ml18a12a
100 PLAY "mn
110 PLAY "ms12aa14mn
120 PLAY "o4def18ed14e.18d14cd
130 PLAY "o3ms11a12aamn
140 PLAY "o414def18ed14e.18d14ce
150 PLAY "mlfco3b-amn
160 PLAY "18gmsf12f.mn18p4ab
170 PLAY "o4c+defe.ms116d12d.mn14p4m
s18ddmnc
180 PLAY "o3b-ag14b-ms18a14a.mngf18a
14g.dfms18a
190 PLAY "ml14a12amn
200 PLAY "14fagdfms18aml18a12a
```

```
5  REM PUFF OF THE MAGIC DRAGON
10 A$="MBO4C4P8C8C4C4O3B2G4P4A2O4C4C
4O3G2.G4F4F4G4F4"
20 B$="E4G4O4C4C8C8C4O3A4B8O4C4.D1C4
C4C4C4O3B4G2.A4A4O4C4C4O3G2.G4F4F4G4
F4E4G4O4C4.C8O3A4O4C4O3B4O4D4C2O3B2"
30 C$="O4C4P4C8C4C4O3B2G4P4A2O4C4C4O
3G2.G4F4F4G4F4E4G4O4C4C8C8C4O3A4B8O4
C4.D1"
35 D$="O4C4P8C8C4C4O3B2G4P4A2O4C4C4O
3G2.G4F4F4G4F4E4G4O4C4C8C8O3A4O4C4O3
B4O4D4C2"
40 PLAY "XA$;XB$;XC$;XD$;"
```

CHOPIN

```
5  REM UNKNOWN CHOPIN
10 T$="t92"
11 AA$= "l1mlo1g+l12c+o2g+o3c+ec+o2g
+c+g+o3c+ec+o2g+"
12 AB$= "l12c+g+o3c+ec+o2g+c+g+o3c+e
c+o2g+"
15 A$="l16o2c+o3g+ag+gg+o4c+ed+c+d+c
+cc+eg+"
30 C$="o3p16ao4c+d+f+ao5c+d+bag+f+ed
+f+c+cd+o4ag+f+aed+f+c+cd+o3ag+ba"
40 D$= "o4d+ed+dd+ba+g+go5ed+c+o4ba+
g+ga+g+bded+g+o3a+o4c+o3bo4d+o3ga+g+
gg+"
45 E$= "o3mlg+mso4g+cc+mlo3f+mso4f+c
c+mlo3fmso4fcc+o3mlf+o4msf+cc+"
50 F$= "o3mlc+mso4c+o3f+amld+o4msd+o
3f+amlemso4eo3g+bmlg+mso4g+o3bo4e"
55 G$= "o3mlfmso4fo3bo4d+mlo3f+mso4f
+o3bo4d+mlo3amso4ao3bo4emlo3g+mso4g+
o3bo4e"
60 H$= "o3mlg+mso4g+cc+mlo3f+mso4f+c
c+mld+mso5d+o4f+amlo4c+o5msc+o4f+a"
65 I$=  "o4msc+o5mlc+mso4d+f+o4co5ml
cmso4d+f+co5mlcmso4d+f+cmlo5cmso4d+f
+"
66 J$=  "o4msco5mlcmso4d+f+o3bo4mlbm
```

```
so4d+f+o3bo4mlbmso4d+f+o3a+mlo4a+mso
4d+f+"
67 JJ$=  "o4msco5co4d+f+o3bo4bo4d+f+
o3bo4bo4d+f+o3a+o4a+o4d+f+"
68 K$=  "o3msa+mlo4a+mso4d+f+o3amlo4
amso4d+f+o3amlo4msao4d+f+o3ao4mlamso
4d+f+"
69 KK$=  "o3msa+o4a+o4d+f+o3ao4ao4d+
f+o3ao4ao4d+f+o3g+o4g+o4d+f+"
100 PLAY "xt$;xaa$;xab$;xA$;xA$;xC$;
xa$;xa$;xd$;"
105 PLAY "xe$;xf$;xe$;xg$;xe$;xf$;xh
$;xi$;xj$;xk$;xjj$;xkk$;"
110 FOR I=1 TO 1000:NEXT I
```





HAPPY

في عيد ميلادك أو عيد ميلاد أي من أصحابك، ما عليك إلا أن تأتي إلى الحاسب وتشغل هذا البرنامج الذي هو عبارة عن أغنية «Happy Birthday To You» والمتعارف عليها في جميع أنحاء العالم.

كل عام وأنت بخير

لتسجيل هذا البرنامج استعمل له إسم «HAPPY».

```
1 REM HAPPY BIRTHDAY
10 PLAY "t120 l4 mfmn"
20 PLAY "o4 c8 c8 d c f e2"
30 PLAY "   c8 c8 d c g f2"
40 PLAY "   c8 c8 o5 c o4 a f e d2"
50 PLAY "t90 b-8 b-8 a f g f2"
58 FOR X%=1 TO 15:Y$=INKEY$:NEXT X%
59 IF INKEY$="" THEN 59
```

CHILDREN

هذه واحدة من المقطوعات الموسيقية التي نأمل أن تعجبكم، ولكن عليك الانتباه أثناء الادخال، لأنك إذا أخطأت بحرف أو برقم فإن ذلك قد يؤدي إلى تغيير النغمات وإفقاد المقطوعة رونقها.

لتسجيل هذا البرنامج استعمل له إسم «CHILDREN».

```
80 REM C.P.E. Bach was one of J.S. B
ach's 22 children!
90 REM This plays at the proper temp
o, Allegro vivace.
100 REM Please send comments via Com
puserve [70116,1065] c/o Jack.
110 PLAY"ML"
120 PLAY"O2 e-16 c16 e-16 g16 O3 c16
 e-16 d16 c16 O2 b16 g16 b16 O3 d16
g16 f16 e-16 d16"
130 PLAY "O3 e-16 c16 e-16 g16 O4 c1
6 e-16 d16 c16 d16 c16 O3 b16 a16 g1
6 f16 e-16 d16"
140 PLAY "O3 e-16 c16 e-16 g16 O4 c1
6 e-16 d16 c16 O3 b16 g16 b16 O4 d16
 g16 f16 e-16 d16"
150 PLAY "O4 e-16 c16 e-16 g16 O5 c1
```

```
6 e-16 d16 c16 d16 c16 04 b16 a16 g1
6 f16 e-16 d16"
160 PLAY "04 e-16 c16 03 g16 e-16 c1
6 05 c16 04 g16 e-16 a-16 02 f16 a16
 03 c16 f16 a-16 04 c16 e-16"
170 PLAY "04 d16 03 b-16 f16 d16 02
b-16 04 b-16 f16 d16 g16 02 e-16 g16
 b-16 03 e-16 g16 b-16 04 d16"
180 PLAY "04 c16 03 a16 g+16 a16 04
c16 03 a16 g+16 a16 04 e-16 c16 03 g
16 a16 04 e-16 c16 03 g16 a16"
190 PLAY "04 d16 c16 03 f+16 a16 04
a16 c16 03 f+16 a16 04 f+16 c16 03 d
16 a16 04 c16 03 a16 f+16 d16"
200 PLAY "03 b-16 01 g16 b-16 02 d16
 g16 b-16 a16 g16 f+16 d16 f+16 a16
03 d16 c16 02 b-16 a16"
210 PLAY "02 b-16 g16 b-16 03 d16 g1
6 b-16 a16 g16 a16 g16 f+16 e16 d16
c16 02 b-16 a16"
220 PLAY "02 b-16 g16 b-16 03 d16 g1
6 b-16 a16 g16 f+16 d16 f+16 a16 04
d16 c16 03 b-16 a16"
230 PLAY "03 b-16 g16 b-16 04 d16 g1
6 b-16 a16 g16 a16 g16 f+16 e16 d16
c16 03 b-16 a16"
240 PLAY "03 b-16 g16 b-16 04 d16 g1
6 d16 03 b-16 g16 02 f16 04 g16 d16
03 b16 g16 b16 04 d16 g16"
250 PLAY"o4 c16 o3 g16 o4 g16 o3 g16
 o4 c16 o3 g16 o4 g16 o3 g16 b16 g16
 o4 f16 o3 g16 b16 g16 o4 f16 o3 g16
260 PLAY "o4 e-16 c16 e-16 g16 o5 c1
6 o4 g16 e-16 c16 o2 b-16 o5 c16 o4
g16 e16 c16 e16 g16 o5 c16"
270 PLAY "o4 f16 c16 o5 c16 o4 c16 f
16 c16 o5 c16 o4 c16 e16 c16 b-16 c1
6 e16 c16 b-16 c16"
```

```
280 PLAY "o4 a-16 o1 f16 a-16 o2 c16
 f16 a-16 g16 f16 e16 c16 e16 g16 o3
 c16 o2 b-16 a-16 g16"
290 PLAY "o2 a-16 f16 a-16 o3 c16 f1
6 a-16 g16 f16 g16 f16 e16 d16 c16 o
2 b-16 a-16 g16"
300 PLAY "o2 a-16 f16 a-16 o3 c16 f1
6 a-16 g16 f16 e16 c16 e16 g16 o4 c1
6 o3 b-16 a-16 g16"
310 PLAY "o3 a-16 f16 a-16 o4 c16 f1
6 a-16 g16 f16 g16 f16 e16 d16 c16 o
3 b-16 a-16 g16"
320 PLAY "o3 a-16 o4 f16 c16 o3 a-16
 f16 o4 c16 o3 a-16 f16 c16 a-16 f16
 c16 o2 a-16 o3 f16 c16 o2 a-16"
330 PLAY "o2 d-2 o4 a-16 f16 e16 f16
 g16 f16 e16 f16"
340 PLAY "o2 c2 o3 a-16 f16 e16 f16
g16 f16 e16 f16"
350 PLAY "o1 b2 o5 d16 o4 f16 g16 a-
16 g16 f16 e-16 d16"
360 PLAY "o4 e-16 g16 o5 c16 o4 g16
b-16 a-16 g16 f16 e-4 d4"
370 PLAY "o4 c16 o3 g16 o4 g16 o3 g1
6 o4 c16 o3 g16 o4 g16 o3 g16 b16 g1
6 o4 f16 o3 g16 b16 g16 o4 g16 o3 g1
6"
380 PLAY "o3 b-16 g16 o4 e16 o3 g16
b-16 g16 o4 e16 o3 g16 a16 o4 e-16 o
5 c16 o4 e-16 o3 a16 o4 e-16 o5 c16
o4 e-16"
390 PLAY "o3 a-16 f16 o4 d16 o3 f16
a-16 f16 o4 d16 o3 f16 g16 o4 d-16 b
-16 d-16 o3 g16 o4 d-16 b-16 d-16"
400 PLAY "o3 f+16 e-16 o4 c16 o3 e-1
6 f+16 e-16 o4 c16 o3 e-16 e-16 o4 c
16 o5 c16 o4 c16 o3 e-16 o4 c16 o5 c
```

```
16 o4 c16"
410 PLAY "o3 e-16 o4 c16 e-16 g16 o5
 c16 g16 e-16 c16 g16 e-16 c16 o3 g1
6 o4 f16 d16 o3 b16 f16"
420 PLAY "o3 e-16 o2 c16 e-16 g16 o3
 c16 e-16 d16 c16 o2 b16 g16 b16 o3
d16 g16 f16 e-16 d16"
430 PLAY "o3 e-16 c16 e-16 g16 o4 c1
6 e-16 d16 c16 d16 c16 o3 b16 a16 g1
6 f16 e-16 d16"
440 PLAY "o3 e-16 c16 e-16 g16 o4 c1
6 e-16 d16 c16 o3 b16 g16 b16 o4 d16
 g16 f16 e-16 d16"
450 PLAY "o4 e-16 c16 e-16 g16 o5 c1
6 e-16 d16 o4 b16 o5 c16 o4 g16 e-16
 d16 c16 o3 g16 e-16 d16"
460 PLAY "o3 c16. p16 p8 p4 p2 "
465 FOR I=1 TO 1000:NEXT I
```

GIFTS

هذا البرنامج يتعلق بهدايا العيد، وهو من عدة مراحل، في كل مرحلة يعيد كتابة وعزف ما سبق كتابته. وينتقل إلى مرحلة جديدة وهكذا دواليك حتى انتهاء البرنامج.

أما هدايا العيد المذكورة فيمكنك متابعتها على الشاشة أثناء عزف الموسيقى.

لتسجيل هذا البرنامج استعمل له إسم «GIFTS».

```
1  rem GIFTS
4  WIDTH 80
5  ON ERROR GOTO 9500 : PLAY "P64"
10 KEY OFF
15 COLOR 7,1 : LOCATE 1,1,0 : CLS
20 B$=CHR$(15)
25 DIM PR$(5)
30 P1E%=114:P2E%=140:P25E%=59:P3E%=6
5:P4E%=71:P5E%=77:P6E%=83
40 DIM P1$(P1E%),P2$(P2E%),P25$(P25E
%),P3$(P3E%),P4$(P4E%),P5$(P5E%),P6$
(P6E%)
50 AB%=1:AE%=21:BB%=22:BE%=35:CB%=36
```

```
:CE%=39:DB%=40:DE%=48:EB%=49:EE%=66
60 E1B%=67:E1E%=88:FB%=89:FE%=102:GB
%=103:GE%=108:HB%=109:HE%=113
70 W1%=9:W2%=12:W3%=5:W4%=5:W5%=5:W6
%=6:W7%=6:X%=113
80 DIM N$(113),B%(609),W1$(W1%),W2$(
W2%),W3$(W3%),W4$(W4%),W5$(W5%),W6$(
W6%),W7$(W7%)
81 RESTORE 1041
82 FOR I%=1 TO 5 : READ PR$(I%) : NE
XT I%
83 FOR I%=1 TO 5 : PRINT : PRINT PR$
(I%) : NEXT I%
90 RESTORE 1050
100 FOR I%=1 TO X%
110 READ N$(I%)
115 NEXT I%
117 RESTORE 1660
120 FOR I%=1 TO W1% : READ W1$(I%) :
 NEXT I%
130 FOR I%=1 TO W2% : READ W2$(I%) :
 NEXT I%
140 FOR I%=1 TO W3% : READ W3$(I%) :
 NEXT I%
150 FOR I%=1 TO W4% : READ W4$(I%) :
 NEXT I%
160 FOR I%=1 TO W5% : READ W5$(I%) :
 NEXT I%
170 FOR I%=1 TO W6% : READ W6$(I%) :
 NEXT I%
180 FOR I%=1 TO W7% : READ W7$(I%) :
 NEXT I%
185 RESTORE 1180
190 FOR I%=1 TO 609 : READ B%(I%) :
NEXT I%
240 REM store notes in play arrays
250 J%=1
260 FOR I%=AB% TO DE% : P1$(J%)=N$(I
```

```
%) : J%=J%+1 : NEXT I%
270 REM 3rd verse
280 FOR I%=BB% TO CE% : P1$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
290 FOR I%=CB% TO DE% : P1$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
300 REM 4th verse
310 FOR I%=BB% TO BE% : P1$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
320 FOR L%=1 TO 3
330 FOR I%=CB% TO CE% : P1$(J%)=N$(I
%) : J%=J%+1 : NEXT I% : NEXT L%
340 FOR I%=DB% TO DE% : P1$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
350 REM 5th - 7th verses
360 J%=1
370 FOR I%=EB% TO E1E% : P2$(J%)=N$(
I%) : J%=J%+1 : NEXT I%
380 REM 6th verse
390 FOR I%=FB% TO HE% : P2$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
400 FOR I%=E1B% TO E1E% : P2$(J%)=N$
(I%) : J%=J%+1 : NEXT I%
410 REM 7th verse
420 FOR I%=FB% TO GE% : P2$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
430 FOR I%=GB% TO HE% : P2$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
440 FOR I%=E1B% TO E1E% : P2$(J%)=N$
(I%) : J%=J%+1 : NEXT I%
450 REM 8th verse
460 J%=1
470 FOR I%=FB% TO FE% : P25$(J%)=N$(
I%) : J%=J%+1 : NEXT I%
480 FOR L%=1 TO 3
490 FOR I%=GB% TO GE% : P25$(J%)=N$(
I%) : J%=J%+1 : NEXT I% : NEXT L%
```

```
500 FOR I%=HB% TO HE% : P25$(J%)=N$(
I%) : J%=J%+1 : NEXT I%
510 FOR I%=E1B% TO E1E% : P25$(J%)=N
$(I%) : J%=J%+1 : NEXT I%
520 REM 9th verse
530 J%=1
540 FOR I%=FB% TO FE% : P3$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
550 FOR L%=1 TO 4
560 FOR I%=GB% TO GE% : P3$(J%)=N$(I
%) : J%=J%+1 : NEXT I% : NEXT L%
570 FOR I%=HB% TO HE% : P3$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
580 FOR I%=E1B% TO E1E% : P3$(J%)=N$
(I%) : J%=J%+1 : NEXT I%
590 REM 10th verse
600 J%=1
610 FOR I%=FB% TO FE% : P4$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
620 FOR L%=1 TO 5
630 FOR I%=GB% TO GE% : P4$(J%)=N$(I
%) : J%=J%+1 : NEXT I% : NEXT L%
640 FOR I%=HB% TO HE% : P4$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
650 FOR I%=E1B% TO E1E% : P4$(J%)=N$
(I%) : J%=J%+1 : NEXT I%
660 REM 11th verse
670 J%=1
680 FOR I%=FB% TO FE% : P5$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
690 FOR L%=1 TO 6
700 FOR I%=GB% TO GE% : P5$(J%)=N$(I
%) : J%=J%+1 : NEXT I% : NEXT L%
710 FOR I%=HB% TO HE% : P5$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
720 FOR I%=E1B% TO E1E% : P5$(J%)=N$
(I%) : J%=J%+1 : NEXT I%
730 REM 12th verse
```

```
740 J%=1
750 FOR I%=FB% TO FE% : P6$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
760 FOR L%=1 TO 7
770 FOR I%=GB% TO GE% : P6$(J%)=N$(I
%) : J%=J%+1 : NEXT I% : NEXT L%
780 FOR I%=HB% TO HE% : P6$(J%)=N$(I
%) : J%=J%+1 : NEXT I%
790 FOR I%=E1B% TO E1E% : P6$(J%)=N$
(I%) : J%=J%+1 : NEXT I%
800 REM Play It Again Sam!
810 R%=1 : P%=1
820 GOSUB 2220
830 FOR I%=1 TO P1E% : GOSUB 2140 :
PLAY P1$(I%) : LOCATE R%,C% : PRINT
" "
840 NEXT I%
850 R%=1 : GOSUB 2240
860 FOR I%=1 TO P2E% : GOSUB 2140 :
PLAY P2$(I%) : LOCATE R%,C% : PRINT
" "
870 NEXT I%
880 R%=1 : GOSUB 2260
890 FOR I%=1 TO P25E% : GOSUB 2140 :
 PLAY P25$(I%) : LOCATE R%,C% : PRIN
T " "
900 NEXT I%
910 R%=1 : GOSUB 2270
920 FOR I%=1 TO P3E% : GOSUB 2140 :
PLAY P3$(I%) : LOCATE R%,C% : PRINT
" "
930 NEXT I%
940 R%=1 : GOSUB 2280
950 FOR I%=1 TO P4E% : GOSUB 2140 :
PLAY P4$(I%) : LOCATE R%,C% : PRINT
" "
960 NEXT I%
970 R%=1 : GOSUB 2290
```

```
980 FOR I%=1 TO P5E% : GOSUB 2140 :
PLAY P5$(I%) : LOCATE R%,C% : PRINT
" "
990 NEXT I%
1000 R%=1 : GOSUB 2300
1010 FOR I%=1 TO P6E% : GOSUB 2140 :
 PLAY P6$(I%) : LOCATE R%,C% : PRINT
 " "
1020 NEXT I%
1025 LOCATE 21,1
1028 PRINT "Transcription of music f
rom a copy of a copy of 'Twelve Days
 of Christmas'"
1029 PRINT " and program written by
Bonnie Lamb"
1030 LOCATE ,,1
1035 END
1040 RETURN
1041 DATA "A long, long time ago, in
 the fifteenth century, friends "
1042 DATA "celebrated Christmas by g
iving 12 gifts of pleasure, "
1043 DATA "entertainment, and worth.
  In the twentieth century, the "
1044 DATA "custom still lives on.  T
he gifts of pleasure, entertainment,
 "
1045 DATA "and worth are not the sam
e. . . "
1050 DATA MF T120 MN O3 C8,C8,C4,F8,
F8,F4,E8,F8,G8,A8,B-8,G8
1060 DATA A4.,B-8,O4 C4,ML D8,O3 B-8
 P64 MN,A8,F8,G4,F2.
1070 DATA C8,C8,C8,C8,F8,F8,F4,E8,F8
,G8,A8,B-8,G8,A2
1080 DATA O4 C4,O3 ML G8,A8 P64 MN,B
-4
1090 DATA A8,B-8 O4,C4 ML,D8 O3,B-8
```

```
P64 MN,A8,F8,G4,F2.
1100 DATA C8,C8,C4,F8,F8,F4,E8,F8,G8
,A8,B-8,G8,A2
1110 DATA O4 C2,ML D8,O3 B8.,B4 P64
MN,O4 C1
1120 DATA ML O4 C8 O3,B-8 P64 MN,A8,
G8,F4,B-4,D4,F4
1130 DATA ML G8,F8 P64 MN,E8,D8,C4,A
8,B-8 O4,C4,ML D8 O3
1140 DATA B-8 P64 MN,A8,F8,G4,F2.
1150 DATA C8,C8,C8,C8,F8,F8,F4,E8,F8
,G8,A8,B-8,G8,A2
1160 DATA O4 C8,C8 O3,G8,A8,B-8,G8
1170 DATA O4 C2,ML D8,O3 B8.,B4 P64
MN,O4 C1
1180 DATA 1,5,10,15,18,23,29,33,37,4
2,47,51,55
1190 DATA -1,4,9,14,19,22,24,25
1200 DATA -1,5,9,13,17,20,25,31,35,3
9,44,49,53,57
1210 DATA -2,6,9,13,20,23,26,31,36,4
1,44,46,47
1220 DATA -1,5,10,13,16,19,24,30,34,
38,43,48,52,56
1230 DATA -3,9,14,19,25,29,32,36,43,
46,49,54,59,64,67,69,70
1240 DATA -1,5,10,14,17,20,25,31,35,
39,44,49,53,57
1250 DATA -2,6,9,14,21,27,32,37
1260 DATA -2,6,9,13,20,23,26,31,36,4
1,44,46,47
1270 DATA 1,5,10,15,18,23,29,33,37,4
2,47,51,55
1280 DATA -2,6,10,12,16
1290 DATA -2,5,7,10,15,22,29,37
1300 DATA -2,4,7,10,14,21,24,27,32,3
7,42,45,47,48
```

```
1310 DATA -1,5,10,13,16,19,24,30,34,
38,43,48,52,55
1320 DATA -2,4,8,12,17,21,27,31,35,3
7,41
1330 DATA -2,5,7,10,15,22,29,37
1340 DATA -2,4,7,10,14,21,24,27,32,3
7,42,45,47,48
1350 DATA -1,5,9,13,18,21,26,32,36,4
0,45,50,54,58
1360 DATA -2,5,10,15,20,25,30,32,36,
40,45,49,55,59,63,65,69
1370 DATA -2,5,7,10,15,22,29,37
1380 DATA -2,4,7,10,14,21,24,27,32,3
7,42,45,47,48
1390 DATA 1,5,10,14,17,20,25,31,35,3
9,44,49,53,57
1400 DATA -3,6,10,14,19,24,29,32,37,
42,47,52,57,59,63,67,72,76
1410 DATA -2,6,10,12,16
1420 DATA -2,5,7,10,15,22,29,37
1430 DATA -2,4,7,10,14,21,24,27,32,3
7,42,45,47,48
1440 DATA 1,5,10,13,16,19,24,30,34,3
8,43,48,52,56
1450 DATA -2,5,8,12,16,21,27,30,34,3
8,43,48,53,56,61,66,71,76
1460 DATA -2,4,8,12,17,21,27,31,35,3
7,41
1470 DATA -2,5,7,10,15,22,29,37
1480 DATA -2,4,7,10,14,21,24,27,32,3
7,42,45,47,48
1490 DATA 1,5,10,13,16,19,24,30,34,3
8,43,48,52,56
1500 DATA -2,4,8,13,16,19,24,30,34,3
8,43,48,52,55,59,63,68,73
1510 DATA -2,5,10,15,20,25,30,32,36,
40,45,49,55,59,63,65,69
```

```
1520 DATA -2,5,7,10,15,22,29,37
1530 DATA -2,4,7,10,14,21,24,27,32,3
7,42,45,47,48
1540 DATA 1,5,9,14,19,22,27,33,37,41
,46,51,55,59
1550 DATA -2,6,11,16,21,26,31,33,37,
41,46,51,56,59,62,66,70,75
1560 DATA -3,6,10,14,19,24,29,32,37,
42,47,52,57,59,63,67,72,76
1570 DATA -2,6,10,12,16
1580 DATA -2,5,7,10,15,22,29,37
1590 DATA -2,4,7,10,14,21,24,27,32,3
7,42,45,47,48
1600 DATA 1,5,9,12,17,20,25,31,35,39
,44,49,53,57
1610 DATA -2,5,10,16,22,27,32,36,41,
46,51,56
1620 DATA -2,4,8,13,17,22,27,30,33,3
7,41,46,52,55,59,63,68,73
1630 DATA -2,5,10,15,20,25,30,32,36,
40,45,49,55,59,63,65,69
1640 DATA -2,5,7,10,15,22,29,37
1650 DATA -2,4,7,10,14,21,24,27,32,3
7,42,45,47,48
1660 DATA"On the first day of Christ
-mas, my true love gave to me:"
1670 DATA"A tape cas-sette and a PC.
"
1680 DATA"On the sec-ond day of Chri
st-mas, my true love sent to me:"
1690 DATA"Two disk_ drives, and a ta
pe cas-sette and a PC."
1700 DATA"On the third_ day of Chris
t-mas, my true love sent to me:"
1710 DATA"Three paral-lel ports, Two
 disk_ drives, and a tape cas-sette
and a PC."
```

```
1720 DATA"On the fourth_ day of Chri
st-mas, my true love sent to me:"
1730 DATA"Four me-ga-bytes, Three pa
ral-lel ports,"
1740 DATA"Two disk_ drives, and a ta
pe cas-sette and a PC."
1750 DATA"On the fifth day of Christ
-mas, my true love sent to me:"
1760 DATA"Five EX-TRA_ slots!"
1770 DATA"Four_ me-ga-bytes, Three p
arallel ports,"
1780 DATA"Two_ disk_ drives, and a t
ape cas-sette and a PC."
1790 DATA"On the sixth_ day of Chris
t_mas, my true love sent to me:"
1800 DATA"Six_ tunes a - hum-ming, F
ive EX-TRA_ slots!
1810 DATA"Four_ me-ga-bytes, Three p
arallel ports,"
1820 DATA"Two_ disk_ drives, and a t
ape cas-sette and a PC."
1830 DATA"On the sev-enth day of Chr
ist-mas, my true love sent to me:"
1840 DATA"Sev-en spool-ers spool-ing
, Six_ tunes a - hum-ming, Five EX-T
RA_ slots!"
1850 DATA"Four_ me-ga-bytes, Three p
arallel ports,"
1860 DATA"Two_ disk_ drives, and a t
ape cas-sette and a PC."
1870 DATA"On the eighth_ day of Chri
st-mas, my true love sent to me:"
1880 DATA"Eight_ games a - play-ing,
 Sev-en spool-ers spool-ing, Six_ tu
nes a - hum-ming,"
1890 DATA"Five EX-TRA_ slots!"
1900 DATA"Four_ me-ga-bytes, Three p
arallel ports,"
```

```
1910 DATA"Two_ disk_ drives, and a t
ape cas-sette and a PC."
1920 DATA"On the ninth_ day of Chris
t-mas, my true love sent to me:"
1930 DATA"Nine_ Vis-i's Calc-ing, Ei
ght_ games a - play-ing, Sev-en spoo
l-ers spool-ing,"
1940 DATA"Six_ tunes a - hum-ming, F
ive EX-TRA_ slots!
1950 DATA"Four_ me-ga-bytes, Three p
arallel ports,"
1960 DATA"Two_ disk_ drives, and a t
ape cas-sette and a PC."
1970 DATA"On the tenth_ day of Chris
t-mas, my true love sent to me:"
1980 DATA"Ten_ graph-ics danc-ing, N
ine_ Vis-i's Calc-ing, Eight_ games
a - play-ing,"
1990 DATA"Sev-en spool-ers spool-ing
, Six_ tunes a - hum-ming, Five EX-T
RA_ slots!"
2000 DATA"Four_ me-ga-bytes, Three p
arallel ports,"
2010 DATA"Two_ disk_ drives, and a t
ape cas-sette and a PC."
2020 DATA"On the 'lev-enth day of Ch
rist-mas, my true love sent to me:"
2030 DATA"'Lev-en print-ers print-in
g, Ten_ graph-ics danc-ing, Nine_ Vi
s-i's Calc-ing,"
2040 DATA"Eight_ games a - play-ing,
 Sev-en spool-ers spool-ing, Six_ tu
nes a - hum-ming,"
2050 DATA"Five EX-TRA_ slots!"
2060 DATA"Four_ me-ga-bytes, Three p
arallel ports,"
2070 DATA"Two_ disk_ drives, and a t
```

```
ape cas-sette and a PC."
2080 DATA"On the twelfth day of Chri
st-mas, my true love sent to me:"
2090 DATA"Twelve FORTH's a - FORTH-i
ng, 'Lev-en print-ers print-ing,"
2100 DATA"Ten_ graph-ics danc-ing, N
ine_ Vis-i's Calc-ing, Eight_ games
a - play-ing,"
2110 DATA"Sev-en spool-ers spool-ing
, Six_ tunes a - hum-ming, Five EX-T
RA_ slots!"
2120 DATA"Four_ me-ga-bytes, Three p
arallel ports,"
2130 DATA"Two_ disk_ drives, and a t
ape cas-sette and a PC."
2140 C%=B%(P%)
2150 IF C% > 0 THEN GOTO 2180
2160 C%=-C%
2170 R%=R%+2
2180 LOCATE R%,C%
2190 PRINT B$
2200 P%=P%+1
2210 RETURN
2220 CLS : FOR K%=1 TO W1% : PRINT :
 PRINT W1$(K%) : NEXT K% : RETURN
2240 CLS : FOR K%=1 TO W2%-1 : PRINT
 : PRINT W2$(K%) : NEXT K% : PRINT :
 PRINT W2$(W2%); : RETURN
2260 CLS : FOR K%=1 TO W3% : PRINT :
 PRINT W3$(K%) : NEXT K% : RETURN
2270 CLS : FOR K%=1 TO W4% : PRINT :
 PRINT W4$(K%) : NEXT K% : RETURN
2280 CLS : FOR K%=1 TO W5% : PRINT :
 PRINT W5$(K%) : NEXT K% : RETURN
2290 CLS : FOR K%=1 TO W6% : PRINT :
 PRINT W6$(K%) : NEXT K% : RETURN
2300 CLS : FOR K%=1 TO W7% : PRINT :
 PRINT W7$(K%) : NEXT K% : RETURN
```

```
9500 CLS
9510 PRINT "This program requires AD
VANCED BASIC; please reload using BA
SICA."
9520 END
```



UNKNOWN (BACH)

هذه المقطوعة الموسيقية هي واحدة من معزوفات «باخ» الغير معنونة، إلا أنها رائعة وتستحق عناء إدخالها على الحاسب والاستماع إليها.

لتسجيل هذا البرنامج استعمل له إسم «UNKNOWN».

```
1 rem UNKNOWN BACH
5 T$="112t140"
10 A$="mln42mso3db-mln23mso3db-mln11
mso3db-mln42msdb-"
15 B$="mln44mso3e-b-mla-mse-b-mlgmse
-b-mln44mso3e-b-"
20 C$="mlo4cmso3e-amlg-mse-amlfmse-a
mlo4cmso3e-a"
25 D$="mlo4dmso3fb-mlo2b-mso3fb-mlo1
b-mso3fb-o4mldmso3fb-"
30 E$="mlo4gmso3b-o4dmlo3amsb-o4dmlo
3gmsb-o4do3mlfmsb-o4d"
35 F$="mlo3emsb-o4cmlo3gmsb-o4cmlo3c
msb-o4cmlemso3b-o4c"
40 G$="mlfmso3ao4cmlo3gmsao4cmlo3fms
ao4cmlo3emsao4c"
45 H$="mlo3dmsab-mlfmsab-mlo2b-mso3a
b-mlo4dmso3ab-"
```

```
65 L$="mlo4emso3gb-mlo3d-msgb-mlcmsg
b-mlo4emso3gb-"
70 M$="mlo4fmso3fa-mld-msfa-mlcmsfa-
mlo4fmso3fa-"
75 N$="mlo4gmso3egmld-msegmlcmsegmlo
4gmso3eg"
80 O$="mlo4a-mso3efmld-msefmlcmsefml
o4a-mso3ef"
85 P$="mlbmsdfmlo2a-mso3dfmlo2gmso3d
fmlbmsdf"
90 Q$="mlo4cmso3egmlo2d-msegmlo2cmso
3egmlb-mseg"
95 R$="mla-msefmlo2bmso3efmlcmsefmlo
2cmso3ef"
97 S$="mlo1fmso2ao3cmlfmsao4cl2f"
100 AA$="l12mlo4amso3fo4cmlo3e-msfo4
cmlo2fmso3fo4cmlo4amso3fo4c"
105  AB$="mlo4b-mso3fo4dmlo3a-msfo4d
mlo2b-mso3fo4dmlb-mso3fo4dmlgmso3e-o
4dmlo3b-mso3e-o4dmlo3amse-o4cmlo4gms
o3e-o4cmlf+mso3do4cmlo3gmseo4cmlo3am
sf+o4cmlf+mso3ao4c"
115 AC$="mlgmso3gb-mle-msgb-mldmsgb-
mlo4gmso3gb-mlo4amso3f+amle-msf+amld
msf+amlo4amso3f+amlo4b-mso3f+gmle-ms
f+gmldmsf+gmlo4b-mso3f+gmlo4cmso3f+a
mle-msf+amldmsf+amlo4cmso3f+a"
125 AD$="mlo4b-mso3gb-mlo4f+mso3ao4c
mlgmso3b-o4dmlo4c+mso3go4emldmso3ao4
f+mlo3gmsb-o4gmlo3f+mso4camlo3e-mso4
cf+mlo3dmsbo4gmlo3c+msb-o4emlo3dmsao
4f+mlo2dmso4cf+"
135 AE$="mlo1gmso3b-o4gmlo2dmso3b-o4
gmlo2gmso3b-o4gmlo2b-mso3b-o4gmlo3dm
sa-o4fmlo3fmsa-o4fmlo3b-msa-o4fmldms
o3a-o4fmlo3e-msgo4e-mlo3b-msgo4e-mlg
mso3go4e-mlo3dmsgo4e-"
```

```
145 AF$="mlo3cmsao4e-mlo3fmsao4e-mlo
2b-mso3b-o4dmlemso3b-o4d-mlfmso3ao4c
mlo3fmsao4cmlfmso3ao4cmlo3fmsao4cmlo
4e-mso3ao4cmlo3fmsao4cmlo4e-mso3ao4c
mlo3fmsao4c"
155 AG$="mlo4dmso3a-bmlfmsa-bmlo4dms
o3a-bmlfmsa-bmlo4d-mso3gb-mlemsgb-ml
o4d-mso3gb-mlemsgb-mlo4cmso3g-amle-m
sg-amlo4cmso3g-amle-msg-a"
165 AH$="mlo4bmso3fa-mldmsfa-mlo4bms
o3fa-mldmsfa-mlb-msegmld-msegmlb-mse
gmld-msegmlamse-g-mlcmse-g-mlamse-g-
mlcmse-g-mlgmsd-emlo2b-mso3d-emlgmsd
-emlo2b-mso3d-e"
170 AI$="mlo3amsce-mlo2g-mso3ce-mlo2
amso3ce-mlamsce-"
175 AJ$="mlo3b-mso2b-o3d-mlo2g-msb-o
3d-mlo2fmsb-o3d-mlo3b-mso2b-o3d-mlo4
cmso2ao3cmlo2g-msao3cmlo2fmsao3cmlo4
cmso2ao3cmlo4d-mso2ab-mlg-msab-mlfms
ab-mlo4d-mso2ab-"
185 AK$="mlo4emso2ab-mld-msab-mlcmsa
b-mlo4emso2ab-mlo4fmso2ao3cmlo1g-mso
2ao3cmlo1fmso2ao3cmlo4e-mso2ao3cmlo4
d-mso2ab-mlemsab-mlfmsab-mlo1fmso2ab
-mlo1b-mso3dfmlb-mso4dfml12b-"
200 PLAY "xt$;xa$;xb$;xc$;xd$;xe$;xf
$;xg$;xh$;xl$;xm$;xn$;xo$;xp$;xq$;xr
$;xs$;xaa$;xab$;xac$;xad$;xae$;xaf$;
xag$;xah$;xai$;xaj$;xak$;"
210 FOR I=1 TO 1000:NEXT I
```

LUDWIG

معزوفة «LUDWIG» هي من أشهر أعمال بتهوفن الموسيقية.

استمتع بسماعها بعد تسجيلها بدقة متناهية.

لتسجيل هذا البرنامج استعمل له إسم «LUDWIG».

```
1 rem BETHOVEN (LUDWIG)
10 A$="o4ed#ed#eo3bo4dco3ao2eao3ceab
o2eg#o3eg#bo4co2eao3eo4ed#ed#eo3bo4d
co3ao2eao3ceabo2eg#o3do4co3ba"
20 A1$="o2ea"
30 B$="o3ceabo2eg#o3do4co3bao2eao3bo
4cdeo2go3cgo4fedo2gbo3fo4edco2eao3go
4dco3bo2eo3ep64eo4e"
40 C$="o3eo4ep64eo5eo4d#ed#ed#"
50 D$="o3bo4cdeo2go3cgo4fedo2gbo3fo4
edco2eao3eo4dco3bo2eo3eo4e"
60 E$="16mso4cp64cp64cml124o3fao4cl1
2o2ao3co2ao4fep64edb-ap64agfedco3b-a
124bagabl12o4co2ao3co2ao4dd#eo2ao3co
4efo3ao4co3e"
61 G$="mnl12o1aaaaao4c#.o1aaaaao4do1
aaao4efp64fo1aaao4fo1ao4e.o1aaaaao4d
o1aaao4co3bao1aaao3ao1ao3ao1ao4co1ao
```

```
3bo1g#o3ao1aaaaao4c#.o1aaaaao4do1aaa
o4efp64fo1aaao4fo1ao4f.o1b-b-b-b-b-o
4e-o1b-b-b-o4dco3b-o1b-b-b-o3ao1b-o3
g#o1bbbo3g#o1bm1o3a4p4b8p8"
70 F$="116o4cdco3bo4cdo3bo4cgo3bo4go
3ao4go3bo4gcgdgego5co4bagfedgfdcgo3b
o4go3cao4go3bo4gcgdgego5co4bagfedgfd
eged#eo3bo4edeo3bo4edeo3bo4ed#e.16o3
bo4ed#ed#ed#e112"
80 G$="mn112o1aaaaao4c#.o1aaaaao4do1
aaao4efp64fo1aaao4fo1ao4e.o1aaaaao4d
o1aaao4co3bao1aaao3ao1ao3ao1ao4co1ao
3bo1g#o3ao1aaaaao4c#.o1aaaaao4do1aaa
o4efp64fo1aaao4fo1ao4f.o1b-b-b-b-b-o
4e-o1b-b-b-o4dco3b-o1b-b-b-o3ao1b-o3
g#o1bbbo3g#o1bo3a4p4b8p8"
90 H$="o2ao3ceao4cedco3bao4ceao5cedc
o4bao5ceao6cedco5bb-ag#gf#fed#dc#co4
bb-ag#gf#fed#eo3bo4dco3ao2eao3ceabo2
eg#o3eg#bo4co2eao3e"
95 PLAY"t110"
100 PLAY "ml112xa$;xa1$;p32xa$;xa1$;
xb$;xc$;xa$;xa1$;p32xd$;xc$;xa$;xa1$
;p32xe$;"
110 PLAY "xf$;p32xa$;xa1$;xd$;xc$;xa
$;"
120 PLAY "xg$;xh$;xa$;xa1$;xd$;xc$;x
a$;"
130 FOR I=1 TO 1000:NEXT I
```

RANGER

هــذه المقـطوعـة مـا هي إلا المعـزوفـة المـوسيقيـة الشهيــرة لفيلم «The Lone Ranger» وهي تعيدنا إلى أيام الماضي الجميلة.

لتسجيل هذا البرنامج استعمل له إسم «RANGER».

```
1 rem the lone ranger
10 A$ = "t255ms02L8DDL4DL8DDL4DL8DDL
4GAB"
20 B$ = "02 L8DDL4DL8DDL4GL8GBL4AF+D
"
30 C$ = "o218gbo3d2p818co2bal4gbg"
40  PLAY "xa$;xb$;xa$;xc$;
50  PLAY "xa$;xb$;xa$;xc$;
60 D$ = "o2116dd+ef+12g14bp818agf+ge
d
70 E$ = "o218ef+gco1bo2116def+go118b
a116bo2cc+d
80 F$ = "O1L4AGA
90 G$ = "O2L16 DD-DEF+DEF+L8GL16GGL8
G
100 H$ = "O2L4BF+GABF+GA
110  PLAY "xd$;xe$;xf$;xd$;xe$;xg$;
120 I$ = "18o2bo1bo2f+o1f+o2go1go2ao
1a
```

```
130  J$  =  "o212b-p8116b-ge-o1b-o2e-g
140  K$  =  "o212bp8116bcdo1bo2dg
150  L$  =  "o212bp8116bg+eo1bo2eg+
160  M$  =  "o312c+p8116c+o2a+f+c+f+a+
170  N$  =  "o318dd-co2bagf+e
180  O$  =  "o2116dd-dedd-dedd-def+def+
190  P$  =  "o214gp8116gg132ggggggggl16
gggg
200  Q$  =  "18gdgbgdgb
210  R$  =  "14gp8116gg132gggggggggggggg
ggg
220  S$  ="11go1MLI1gL1G..
230   PLAY "P8xi$;xi$;xj$;xk$;xl$;xm$
;xn$;xo$;xp$;xq$;xr$;xs$;
```

ANNA (BACH)

هذه المقطوعة هي واحدة من مجموعة معزوفات «باخ» والتي يسرنا أن نقدمها إليكم وذلك للاستمتاع بها على جهازكم الشخصي آملين أن تعجبكم.

لتسجيل هذا البرنامج استعمل له إسم «ANNA».

```
2 CLS:ZA$="From 'The Little Notebook
 for"
3 ZB$="Anna Magdalena Bach'"
4 ZC$="by J. S. Bach"
6 LOCATE 10,40-LEN(ZA$)/2:PRINT ZA$
7 LOCATE 11,40-LEN(ZB$)/2:PRINT ZB$
8 LOCATE 12,40-LEN(ZC$)/2:PRINT ZC$
10 A$="o3D..o2GABo3CD..o2Gp8Gp8"
20 B$="o3E..CDEF#G..o2Gp8Gp8"
30 C$="o3C..DCo2BAB..o3Co2BAGF#..GAB
GBA...p4"
35 C1$="o3C..DCo2BAB..o3Co2BAGF#..GA
BGA....p4"
40 D$="o3C..DCo2BAB..o3Co2BAGA..BAGF
#G....p4"
50 E$="m1o3B..GABGA..DEF#DG..EF#GDC#
```

```
..o2Bo3C#o2Ap8ABo3C#DEF#G..F#..E..F#
..o2A..o3C#..D....p4mn"
60 F$="D..o2GF#Gp8o3E..o2GF#Gp8o3D..
C..o2B..AGF#GAp8DEF#GABo3C..o2B..A..
Bo3Do2G..F#..G....p4"
70 G$="o3A...p8GF#EDp64A...p8GF#EDp6
4"
80 H$="o2F#GA..G..F#..E..A..F#..D.."
90 I$="o2F#GA..G..F#..E..A..D..p4"
100 J$="o3C#DEp8C#DEp8A..Ep8Ep8E..A.
.Ep8A..Ep8DC#o2BAB..Ep8"
110 K$="o3E..D#p9o2E..l10o3D....l8C#
..o3A..G#..E..D#p9o2E..l10o3D....l8C
#..A..G#..ED#C#D#ED#C#D#E.p16mno2G#.
.A..o3D..C#DE..o2A..D..C#DE..o1A..p4
"
120 L$="o2F#GA..G..F#..p2E..A..o3D..
"
130 PLAY"mbmnt195l8"
140 PLAY G$:PLAY H$
150 PLAY G$:PLAY I$
160 PLAY G$:PLAY H$
170 PLAY G$:PLAY I$
180 PLAY J$:PLAY K$
190 PLAY G$:PLAY H$
200 PLAY G$:PLAY L$
205 PLAY "p1p1p1"
210 PLAY"mbmnt150l8"
220 PLAY A$:PLAY B$:PLAY C1$
230 PLAY A$:PLAY B$:PLAY D$
250 PLAY A$:PLAY B$:PLAY C$
260 PLAY A$:PLAY B$:PLAY D$
270 PLAY E$:PLAY F$
280 PLAY A$:PLAY B$:PLAY C1$
290 PLAY A$:PLAY B$:MID$(D$,LEN(D$)-
1,2)=". ":PLAY D$
295 FOR I=1 TO 1000:NEXT I
```

RAILROAD

يمتاز هذا البرنامج بسرعة النقلات الموسيقية وخفّتها وبجماليتها بنفس الوقت فهي عند سماعها تبعث البهجة في القلب.

لتسجيل هذا البرنامج استعمل له إسم «RAILROAD».

```
10 PLAY "01F402A6403C64F64P64P8P16"
20 PLAY "01C402A6403C64F64P64P8P16"
30 PLAY "01F402A6403C64F64P64P8P16"
40 PLAY "01C402A6403C64F64P64P804F16"
50 PLAY "01F402A6403C64F64P64P8P16"
60 PLAY "01C804C802C6403C64F64P64P8U
4F16"
70 PLAY "01F804C802A6403C64F64P64P80
4F16"
80 PLAY "01C804G802C6403C64F64P64P8U
4A16"
90 PLAY "01F402C6403C64F64P64P8P16"
100 PLAY "01C402A6403C64F64P64P804F1
6"
110 PLAY "01F402A6403C64F64P64P8P16"
120 PLAY "02A6403C64E64P64P8P16"
130 PLAY "02A6403C64E-64P64P804B-16"
140 PLAY "00B-402F64B-6403D64P64P8P1
6"
```

```
150 PLAY "00F804B-802F64B-6403D64P64
P804F16"
160 PLAY "00B-402F64B-6403D64P64P804
G16"
170 PLAY "01C4G6402E6403C64P64P804A1
6"
180 PLAY "01F402A6403C64F64P64P8P16"
190 PLAY "01C402A6403C64F64P64P8P16"
200 PLAY "01F4C4D4E804F8"
210 PLAY "o1f4o2a64o3c64f64p64p8p16"
220 PLAY "o1c8o4c8o2a64o3c64f64p64p8
o4f16"
230 PLAY "o1f8o4c8o2a64o3c64f64p64p8
o4f16"
240 PLAY "o1c8o4g8o2a64o3c64f64p64p8
o4a16"
250 PLAY "o1f4o2a64o3c64f64p64p8p16"
260 PLAY "o1c4o2a64o3c64f64p64p8o4f1
6"
280 PLAY "o1f4o2a64o3c64f64p64p8o4a1
6"
290 PLAY "o1f8o4a8o2a64o3c64f64p64p8
o4a16"
300 PLAY "o1g4o2g64b64o3d64f64p8o4g1
6"
310 PLAY "o1d4o2g64b64o3d64f64p8o4g1
6"
320 PLAY "o1g4o2g64b64o3d64f64p8o4a1
6"
330 PLAY "o1d4d-8p16o4g16"
340 PLAY "o1c4o2g64o3c64e64p64p8p16"
350 PLAY "o1g4o2g64o3c64e64p64p8p16"
360 PLAY "o1c4o2g64o3c64e64p64p8p16"
370 PLAY "o0g4o2g64o3c64e64p64p8o4g1
6"
380 PLAY "o1c4 o2g64o3c64e64p64p8p16
"
```

```
390 PLAY "o1g8o4g8o2g64o3c64e64p64p8
o4g-16"
400 PLAY "o1c8o4g8o2g64o3c64e64p64p8
o4a16"
410 PLAY "o1d8o4g8o1e8o4f8"
420 PLAY "o1f4o2a64o3c64f64p64p8p16"
430 PLAY "o1c4o2a64o3c64f64p64p8o4c1
6"
440 PLAY "o1f4g4a-4a8o4b-8"
460 PLAY "o0b-4o2f64b-64o3d64f64p8p1
6o4b-16"
470 PLAY "o1f8o4b-8o2f64b-64o3d64f64
p8p16o4f16"
480 PLAY "o0b-8o4f8o2f64b-64o3d64f64
p8p16o4g16"
490 PLAY "o1c8o4g8o0b-8o4a8"
500 PLAY "o0a4o2e64a64o3c#64p64p8p16
"
510 PLAY "o1e4o2e64a64o3c#64p64p8p16
"
520 PLAY "o1a4o2e64a64o3c#64p64p8p16
"
530 PLAY "o0a4o2e64a64o3c#64p64p8o4d
16"
540 PLAY "o0b-4o2f64b-64o3d64f64p8p1
6"
550 PLAY "o1f8o4e8o2f64b-64o3d64f64p
8o4f16"
560 PLAY "o0b-8o4e8o2f64b-64o3d64f64
p8o4f16"
570 PLAY "o1f8o4d8o2f64b-64o3d64f64p
8o4c16"
580 PLAY "o1f4o2a64o3c64f64p64p8p16"
590 PLAY "o1c4o2a64o3c64f64p64p8o4f1
6"
600 PLAY "o1d4o2f64a64o3d64p64p8p16"
610 PLAY "o1d-4o2f64a64o3d-64p64p8o4
a16"
```

```
620 PLAY "o1c4o2a64o3c64f64p64p8o4b-
16"
630 PLAY "o1d4o2a64o3c64f64p64p8o4a1
6"
640 PLAY "o1e4o2g64b-64o3c64e64p8o4g
16"
650 PLAY "o1c4o2g64b-64o3c64e64p8o4f
16"
660 PLAY "t140o2f4c4f4c8o4a8"
670 PLAY "o2f16o4a16a16a32f32o2c16o4
f16f16c16"
680 PLAY "o2f8o4f8o2c8o4a8"
690 PLAY "o2f16o4a16a16a32f32o2c16o4
f16f16g16"
700 PLAY "o2c8d8e-8e16o4a32"
710 PLAY "o2f4o4a16a16a32f32o2c16o4f
16f16b-16"
720 PLAY "o0b-8a8o5d8o0g2o5c16"
730 PLAY "o1c16o5c16c16c32o4b-32o1e8
o4g16p32f32"
740 PLAY "o1f8c16o4d16o1d16o4f16o1e8
"
750 PLAY "o4a4o4f4o4c16c16c16p16o4f4
o4a8a8"
760 PLAY "o4f16f16f16p16o4g2o4a4o4f4
o4b-16b-16b-16p16"
770 PLAY "o5d4o5c16c16c16c16o4b-8o4g
8o4f4p4o4c32d32e32o4f8p8o1f4"
780 FOR I=1 TO 3000:NEXT I
```

IBM

هذه المقطوعة الغنائية مؤلفة وملحنة خصيصاً لأجهزة «IBM» الشخصية وهي تتحدث عن ميزات هذا الجهاز وقدراته. وما عليك بعد إدخال هذا البرنامج إلا أن تنظر إلى الشاشة وتقرأ الكلمات التي يظهر المؤشر فوقها وبنفس الوقت حاول أن تتبع اللحن الذي هو موازٍ لحركة المؤشر الذي هو فوق الكلمات.

بعد المراس عدة مرات يمكنك إتقان هذه الأغنية مع لحنها.

لتسجيل هذا البرنامج استعمل له إسم «IBM».

```
4 WIDTH 80
5 ON ERROR GOTO 9500
6 PLAY ("P64")
10 GOSUB 9000
30 B$=CHR$(2)
40 DIM N$(165)
50 DIM L$(15)
60 DIM B%(253)
70 X% = 165
80 FOR I% = 1 TO X%
90 READ N$(I%)
100 NEXT I%
```

```
110 RESTORE 790
120 FOR I% = 1 TO 15
130 READ L$(I%)
140 NEXT I%
150 RESTORE 960
160 FOR I% = 1 TO 253
170 READ B%(I%)
180 NEXT I%
181 PRINT "(Press any key to begin.)
";
183 IF INKEY$ = "" THEN 183
190 CLS
200 FOR I% = 1 TO 9
210 PRINT : PRINT L$(I%)
220 NEXT I%
230 R% = 1
250 S% = 1
260 B1% = 0
260 FOR I% = S% TO 165
270 C% = B%(I%+B1%)
280 IF C% > 0 THEN GOTO 310
290 C% = -C%
300 R% = R% + 2
310 LOCATE R%,C%
320 PRINT B$
330 PLAY N$(I%)
340 LOCATE  R%,C%
350 PRINT "  "
360 NEXT I%
370 IF B1% = 0 THEN 380
371 LOCATE 21,1
372 PRINT "Transcription of music an
d lyrics from a copy of a copy... of
 'Ever Onward,'"
373 PRINT "and program written by Al
den B. Johnson."
374 END
380 B1% = 88
```

```
390 S% = 78
400 CLS
410 COLOR 0,7
420 LOCATE 1,30
430 PRINT "Second Chorus"
440 COLOR 7,0
450 LOCATE 3,1
460 FOR I% = 10 TO 15
470 PRINT L$(I%)
480 PRINT
490 NEXT I%
500 R% = 2
510 GOTO 260
520 END
530 DATA MF T170 L8 MN O3 B4,B8,O4 D
4,D8,O3 G4,G8,B4,B8,E4,E8,E4,E8
540 DATA ML E4.E4 MN P64,E8,F#4,E8,D
4,E8,F#4,G8,A4,A#8,ML B4.B4.B4. MN P
64
550 DATA D4.,B4,B8,O4 D4,D8,O3 G4,G8
,B4,B8,E4,E8,E4,E8,ML E4.E4 MN P64
570 DATA F8,F#4,E8,D4,E8,F#4,G8,A4,B
8,ML G4.P64,G4.P64,G4.G4 P64 MN,G8
590 DATA F#4,F#8,A4,A8,O4 D4,D8,O3 A
4,A8,F#4,F#8,A4,A8,ML O4 D4.D4 P64 M
N,D8
610 DATA D4,D8,D4,D8,D4,D8,D4,D8,D4,
C8,O3 A4,F#8,D4.
630 DATA O3 D4.,E4.,F#4.,G4.,F#4.,G4
.,G#4.,A4.,G4;A8,B4,G8
650 DATA A4,B8,A4,G8,E4.,ML E4.E4 P6
4 MN,E8,D#4,E8,G4,F#8,F#4,F8
670 DATA F#4.,F4,F#8,A4,G8,G4,F#8,G4
.,F#4,G8,B4,A8,A4,G#8
690 DATA A4,E8,F#4,G8,A4.,ML A4.A4 P
64 MN,D8,C#4,D8,G4.,G4.
710 DATA ML G4.G4 P64 MN,D8,E4.,F4.,
```

```
ML G4.G4 P64 MN,G#8,A4,A8,A4,B8
730 DATA O4 C#4,C#8,O3 B4,A8,O4 ML D
4.D4.D4 P64 MN,C8,O3 A4,F#8,D4.,E4.,
F#4.,G4.
750 DATA F#4,F#8,G4,G8,G#4,G#8,A8,G#
8,A8,B4,O4 C8,D4,E8,O3 B4.,A4.
770 DATA ML G4.G4.G4 MN
790 DATA"There's a feel-ing ev'ry wh
ere of big-ger things in store. Of n
ew hor-i-zons"
800 DATA"com-ing in-to view. Our aim
 is clear: To make each year ex-ceed
 the one be-fore"
810 DATA"Stay-ing in the lead in ev'
ry-thing we do. The will to win is b
uilt right in."
820 DATA"It will not be de-nied. And
 we will go a-head we know by work-i
ng side by side."
830 DATA"Ev-er On-ward, Ev-er On-war
d That's the spir-it that has brough
t us fame."
840 DATA"We're big but big-ger we wi
ll be. We can't fail for all can see
 that to serve"
850 DATA"hu-man-i-ty has been our ai
m; Our pro-ducts now are known in ev
'ry zone."
860 DATA"Our rep-u-ta-tion spark-les
 like a gem, We've fought our way th
ru and new"
870 DATA"Fields we're sure to con-qu
er too for the Ev-er On-ward  I B M"
880 DATA"Ev-er On-ward, Ev-er On-war
d We're bound for the top to nev-er
fall."
890 DATA"Right here and now we thank
```

```
-ful-ly pledge sin-cer-est loy-al-ty
 to the"
900 DATA"cor-por-a-tion that's the b
est of all. Our lead-ers we re-vere,
910 DATA"and while we're here, Let's
 show the world just what we think o
f them!"
920 DATA"So let us sing men, sing me
n, once or twice then sing a-gain fo
r the"
930 DATA"
   Ev-er On-ward  I B M"
960 DATA 3,9,12,17,21,23,28,32,36,39
,45,50,55,60,64,68,71,74
980 DATA -2,6,9,12,17,22,26,29,34,39
,43,48,53,57,61,66,70,73,78
1000 DATA -2,3,7,10,14,18,22,26,28,3
2,37,40,45,49,53,57,60,65,71,75
1020 DATA -1,6,10,13,16,20,26,29,33,
37,40,43,47,51,55,59,64,68,72,77
1040 DATA -1,4,7,11,16,19,22,26,32,3
8,43,46,50,55,61,66,70,70
1060 DATA -3,8,12,16,20,23,27,31,35,
40,45,50,54,58,62,66,70,75
1080 DATA -1,5,8,10,14,18,23,27,27,3
2,36,40,46,50,55,59,63,65,70
1100 DATA -2,6,9,11,15,21,26,30,34,3
7,43,49,55,59,63,68,72
1120 DATA -3,10,15,19,23,27,32,36,40
,44,46,49,53,58,60,62
1140 DATA 1,4,7,11,16,19,22,26,32,38
,43,47,51,54,58,61,66,66
1160 DATA -3,8,13,17,20,25,30,33,38,
44,48,52,56,59,62,65,69
1180 DATA -2,6,9,12,18,24,28,32,36,3
6,41,46,50,53,56,60
1200 DATA -2,7,13,18,24,30,35,40,45,
```

```
50,54,59,63,68
1220 DATA -1,5,8,12,17,22,27,32,36,4
1,46,51,55,58,63,67
1240 DATA -31,34,37,41,46,48,50
1250 END
9000 COLOR 7,0
9010 KEY OFF
9020 CLS:SCREEN 0,1,0,0
9030 DIM H$(9)
9040 H$(1)="In the legend of IBM, th
ere are tales of a ritual frequently
 performed"
9050 H$(2)="long, long ago in sales
meetings, far, far away.  This ritua
l involved"
9060 H$(3)="young salesmen and cente
red around a small book of chants, o
r songs.  It is"
9070 H$(4)="said that these songs we
re a source of great inspiration to
the salesforce"
9080 H$(5)="as it prepared to go out
 into the world. Although this ritua
l is no longer"
9090 H$(6)="practiced, one of the so
ngs has nevertheless survived, being
 copied and"
9100 H$(7)="passed down through gene
ration after generation of IBMers."
9110 H$(8)="The IBM Philharmonic Com
puter presents:"
9120 FOR I% = 1 TO 8
9130 PRINT H$(I%)
9140 NEXT I%
9150 COLOR 0,7
9160 LOCATE 9,25
9170 PRINT CHR$(201);:FOR I% = 1 TO
```

```
30:PRINT CHR$(205);:NEXT I%:PRINT CH
R$(187)
9180 L$ = CHR$(186)
9190 L1$ = L$ + SPACE$(30) + L$
9200 LOCATE 10,25:PRINT L$+"        I
BM Rally Song           "+L$
9210 LOCATE 11,25:PRINT L1$
9220 LOCATE 12,25:PRINT L$+"
 ";
9230 COLOR 15,0:PRINT"EVER ONWARD";:
COLOR 0,7
9240 PRINT "                "+L$
9250 FOR I% = 13 TO 20: LOCATE I%,25
: PRINT L1$: NEXT I%
9260 LOCATE 21,25:PRINT L$+"     Writ
ten especially for     "+L$
9270 LOCATE 22,25:PRINT L$+"        I
BM Corporation          "+L$
9280 LOCATE 23,25
9290 PRINT CHR$(200);:FOR I% = 1 TO
30:PRINT CHR$(205);:NEXT I%:PRINT CH
R$(188)
9300 COLOR 7,0
9340 RETURN
9500 CLS
9510 PRINT "This program requires AD
VANCED BASIC; Please reload, using B
ASICA"
9520 END
```

XMAS

إن هذا البرنامج هو عبارة عن مجموعة أغنيات إعتدنا أن نسمعها كل سنة عند الميلاد. مجموعة هذه الأغنيات تظهر لك على لائحة إختيارات وإذا أردت أن تسمع واحدة منها ما عليك إلا أن تضغط الرقم المبين إلى جانب اسم كل واحدة. نرجو لك الاستمتاع بسماع هذه الأغنيات.

لتسجيل هذا البرنامج استعمل له إسم «XMAS».

```
10 ON ERROR GOTO 30
20 GOTO 50
30 PRINT "ERR ERL =";ERR;ERL
40 END
50 CLS
60 PRINT ,"Select one of the followi
ng:"
70 PRINT ""
80 PRINT ,"1. Silent Night"
90 PRINT ,"2. Noel"
100 PRINT ,"3. Silver Bells"
110 PRINT ,"4. Joy to World"
120 PRINT ,"5. Deck the Halls"
130 PRINT ,"6. Jingle Bells"
140 PRINT ,"7. We Wish You a Merry C
```

```
hristmas"
150 PRINT ,"8. EXIT"
160 PRINT ""
170 PRINT ,"Enter your selection num
ber: ";
180 N$=INKEY$: IF N$="" THEN 180
190 N=VAL(N$): PRINT N$
200 IF N>0 AND N<9 THEN GOTO 220 ELS
E PRINT ,"Enter a valid selection nu
mber:";
210 GOTO 180
220 ON N GOSUB 750,580,390,670,490,3
30,250,230,240
230 FOR I=1 TO 3500:NEXT I:GOTO 50
240 END
250 PLAY "MB T200 "
260 PLAY "O3 L4 CF L8 FGFE L4 DDDG L
8 GAGF"
270 PLAY "L4 ECCA L8 AB-AG L4 FD L8
CC L4 DGE"
280 PLAY "12 F L4 CFFF L2 E L4 EFED
L2 C L4 CAGF"
290 PLAY "O4 L4 C O3 L4 C L8 CC L4 D
GE L2 F L4 CF"
300 PLAY "L8 FGFE L4 DDDG L8 GAGF L4
 ECCA L8 AB-AG"
310 PLAY "L4 FD L8 CC L4 DGE L2 F"
320 RETURN
330 PLAY "MB T210 "
340 PLAY "O3 L4 EEE P4 EEE P4 EGCD L
1 E"
350 PLAY "L4 FFFFFEE L8 EE L4 EDDE L
2 D L4 G P4"
360 PLAY "O3 L4 EEE P4 EEE P4 EGCD L
1 E"
370 PLAY "L4 FFFFFEE L8 EE L4 GGFD L
4 C L1"
380 RETURN
```

```
390 PLAY "MB T150 "
400 PLAY "O3 L8 B-G L4 FD L8 B-G L4
FD O4 L8 DC"
410 PLAY "O3 L4 B-GG L2 G O4 L8 C O3
 L8 B- L4 AFEE-F."
420 PLAY "L8 E- L4 E- L2 D L8 B-G L4
 FD L8 B-G"
430 PLAY "L4 FD O4 L8 DC O3 L4 B-GG
L2 G O4 L8 C"
440 PLAY "O3 L8 B- L4 AFEE-F O4 L4 C
 O3 L2 B-. L8 DE-"
450 PLAY "O3 L2 F L8 GA L2 B- L4 AAB
- O4 L4 C O3 L4 B-AB-"
460 PLAY "L2 F L8 DE- L2 F L8 GA L2
B- "
470 PLAY "L4 AAB- O4 L4 C O3 L4 B-A
L2 B-."
480 RETURN
490 PLAY "MB T250"
500 PLAY "O3 L2 D. L4 C O2 L2 BAGABG
 L4 AB O3 L4 C"
510 PLAY "O2 L4 A L2 B. P4 L4 A L2 G
F+G. P4 O3 D."
520 PLAY "L4 C O2 L2 BAGABG L4 AB O3
 L4 C O2 L4 A "
530 PLAY "L2 B. P4 L4 A L2 GF+G. P4
A. L4 B O3 L2 C"
540 PLAY "O2 AB. O3 L4 C L2 D O2 A L
4 B O3 C L2 D L4 EF+"
550 PLAY "L2 GF+ED. P4 D. L4 C O2 L2
 BAGABG L4 AB O3 C O2 A"
560 PLAY "L2 B. P4 L4 A L2 GF+ L1 G"
570 RETURN
580 PLAY "MB T100"
590 PLAY "O3 L8 ED L4 C. L8 DEF L2 G
 L8 AB O4 L4 C"
600 PLAY "O3 BA L2 G L8 AB O4 L4 C O
3 BAGAB O4 C"
```

```
610 PLAY "O3 GF L2 E L8 ED L4 C. L8
DEF L2 G L8 AB"
620 PLAY "O4 L4 C O3 BA L2 G L8 AB O
4 L4 C O3 BAGAB"
630 PLAY "O4 C O3 GF L2 E L8 ED L4 C
. L8 DEF L2 G O4 L8 C"
640 PLAY "O3 B L2 A L4 A L2 G. O4 L4
 C O3 BAGAB O4 C O3 L4 GF"
650 PLAY "L2 E"
660 RETURN
670 PLAY "MB T200"
680 PLAY "O4 L2 C O3 L4 B. L8 A L2 G
. L4 F L2 EDC."
690 PLAY "L4 G L2 A. L4 A L2 B. L4 B
 O4 L1 C L4 C"
700 PLAY "L4 C O3 BAGG. L8 F L4 E O4
 CC O3 BAGG. L8 F "
710 PLAY "L4 EEEEE L8 EF L2 G. L8 FE
 L4 DDD L8 DE L2 F."
720 PLAY "L8 ED L4 C,O4 L2 C O3 L4 A
G. L8 F L4 EF L2 ED"
730 PLAY "L1 C"
740 RETURN
750 PLAY "MB T125"
760 PLAY "O3 L4 C. L8 D L4 C O2 L2 A
. O3 L4 C. L8 D"
770 PLAY "L4 C O2 L2 A. O3 G L4 G L2
 E.F L4 F L2 C."
780 PLAY "D L4 DF. L8 E L4 DC. L8 D
L4 C O2 L2 A. O3 D L4 DF."
790 PLAY "L8 E L4 DC. L8 D L4 C O2 L
2 A. O3 G L4 GB-. L8 G"
800 PLAY "L4 E L2 F.A. L4 FC O2 A O3
 C. O2 L6 B- L4 G L2 F."
810 RETURN
```

SFG

إن موسيقى هذا البرنامـج هي من مؤلفات العازف الكبير «باخ» وترجمها للحاسب ريتشارد إيتين.

يمكنك في هذا البرنامـج التحكم في سرعة العزف للأغنية وذلك بواسطة إدخالك رقم بين «32» وهو الأبطأ و «255» وهو الأسرع. أما إذا أردت سماع المعزوفة على سرعتها الطبيعية استعمل لها رقم «45».

لتسجيل هذا البرنامـج استعمل له إسم «SFG».

```
1 '   sfg.bas  Solfeggietto or, Solfa
spaghettio
2 '    4 April 83                 Richa
rd Eaton
3 '                               Compu
terLand Of Citrus Heights
4 '                               966 9
092
5 KEY OFF:SCREEN 0,0:WIDTH 40:COLOR
8:CLS
6 DIM T$(30)
7 M$(1)="Solfeggietto"
8 M$(2)="C. Ph. E. Bach"
```

```
9 M$(0)="A Loose Rendition Of"
10 M$(3)="Never any faster"
11 M$(4)="than one can do"
12 M$(5)="well.  Use the"
13 M$(6)="pedal sparingly."
14 FOR I=0 TO 6
15       IF I <3 THEN OK = 1 :ELSE OK
= 0
16       J = 4+X+I
17       LOCATE J,(39-LEN(M$(I)))/2
18       IF I=1 THEN COLOR 9:ELSE COLO
R 1
19       PRINT M$(I);
20 X = X+OK
21 NEXT I
22 LOCATE 20,5
23 INPUT "Tempo (32 - 255) : ",SP
24 IF SP = 0 THEN SP = 60:ELSE IF SP
<32 OR SP >255 THEN GOTO 23
25 LOCATE 20,23:PRINT SP;
26 TREB$="L32MbT=sp;O2"
27 T$(0)="L32o1e-ce-go2ce-dco1bgbo2d
gfe-de-ce-g":T$(1)="o3ce-dcdco2bagfe
-de-ce-go3c":T$(2)="e-dco2bbbo3dgfe-
fe-"
28 T$(3)="o3132ce-go4ce-dcdco3bagfe-
de-co2ge-":T$(4)="co4co3ge-a-o1fa-o2
cfa-o3ce-do2b-fdo1b-"
29 T$(5)="132o3b-fdgo1e-gb-o2e-gb-o3
dco2ag#ao3co2":T$(6)="agao3e-co2gao3
e-co2gao3dco2f#a":T$(7)="O3ACO2F#AO3
F#CO2DAO3CO2AF#DB-".
30 T$(8)="132o0gb-o1dgb-agf#df#ao2dc
o1b-a":T$(9)="B-GB-O2DGB-AGAGF#EDCO1
B-AB-A-B-O2DGB-AGF#DF#":T$(10)="AO3D
CO2B-A-B-GB-O3DGB-AGAGF#AO2DCO1B-AB-
GB-O3D":T$(11)="GDO2B-GP32O3GDO2BGBO
3DGP32O2GO3G":T$(12)="O2GP32O2GO3GO2
```

```
GO2B-GO3GO2GO2DGO3GO2G"
31 T$(13)="l32o3e-ce-go4co3ge-cp32o4
co2gecego4c":T$(14)="p32o3co4co3co2a
o3co4co3co2go3cb-cp32o3cb-cao0":T$(1
5)="fa-o1cfa-gfecego2co1b-a-gfgfao2c
fagfgfedco1b-a-ga-fa-c"
32 T$(16)="l32o2fa-gfecego3co2b-a-ga
-fa-co3fa-gfgfedc":T$(17)="b-a-ga-o3
fco2a-fo3co2a-fca-fco1a-o2fco1a-o0l1
6d-.p32":T$(18)="l32o3a-fefgfefo0l16
c.p32l32o2afefgf":T$(19)="efo0l16b-.
p32l32o4do3fga-gfe-d"
33 T$(20)="o3e-go4do3gb-a-gfel16o0e-
p16l32o3e-.l64e-de-dc":T$(21)="l32do
2e-go3go2go0co2go3go2go0b-o2go3fo2go
0do2go3fo2gb-g":T$(22)="o3eo2gp32o2g
o3eo2gl64fal32o3e-o5co3e-l64o3fal32o
3e-o5c":T$(23)="o3e-o1a-o2fo3do2fo1a
-o2fo3do2fl64e-gl32o3d-o4b-":T$(24)=
"
34 T$(25)="o0f#o2e-o3co2e-p32o2e-o3c
o2e-p32e-":T$(26)="o3co2e-o0f#o3co4c
o3co0f#o3co4co3co0go3ce-g":T$(27)="o
4co3ge-cge-co2go3fdo2bfe-o1ce-go2ce-
dco1bgbo2dgfe-de-ce-go3ce-d":T$(28)=
"CDCO2BAGFE-DE-CE-GO3CE-DCO2BGBO3DGF
E-DE-CE-":T$(29)="GO4CE-DO3BO4C"
35 ' and here's the program....
36 FOR I=0 TO 29:PLAY TREB$+T$(I) :N
EXT
37 LOCATE 25,1:PRINT "Any key...";
38 A$=INKEY$:IF A$="" THEN 38 ELSE W
IDTH 80:END
```

OLD SONGS

إن هذا البرنامج هو مجموعة أغنيات تقليدية إعتدنا أن نتعلمها في المدارس وهي تعد من الفولكلور العالمي.

ولكل أغنية كلماتها التي تظهر على الشاشة أثناء سماعك المعزوفة.

يمكنك إختيار واحدة من المعزوفات الموجودة من خلال شاشة إختيار مرقمة لهذه الأغاني.

لتسجيل هذا البرنامج استعمل له إسم «OLD SONGS».

```
10 CLS
15 PRINT ,"Select one of the followi
ng:"
20 PRINT ""
25 PRINT ,"1. Sally Go Round The Sun
"
30 PRINT ,"2. Oranges and Lemons"
35 PRINT ,"3. Brahms' Lullaby - Clos
e Your Eyes"
40 PRINT ,"4. All Through The Night"
45 PRINT ,"5. Michael Finnigin"
50 PRINT ,"6. Ride a Cock Horse"
55 PRINT ,"7. Early One Morning"
```

```
60 PRINT ,"8. The Minstrel Boy"
62 PRINT ,"9. EXIT"
65 PRINT ""
70 PRINT ,"Enter your selection numb
er: ";
75 N$=INKEY$: IF N$="" THEN 75
80 N=VAL(N$): PRINT N$
85 IF N>0 AND N<10 THEN GOTO 95 ELSE
 PRINT ,"Enter a valid selection num
ber:";
90 GOTO 75
95 CLS
100 ON N GOSUB 125,165,275,355,445,5
90,655,900,110
105 GOTO 10
110 PRINT "Execution terminated - en
ter a command"
115 STOP
120 GOTO 10
125 LOCATE 10
130 PRINT ,"            1. SALLY GO ROU
ND THE SUN  (6/8)"
135 PRINT ""
140 PRINT ,"Sal-ly go round the/sun,
/Sal-ly go round the/moon,"
145 PRINT ,"Sal-ly go round the/chim
ney top,/Ev-ery af-ter-/-noon."
150 S$="D8D8D8DD8 D2. F#8F#8F#8F#F#8
 F#2. A8A8A8AB8 A4F#8DP8 F#F#8EE8 D2
."
155 PLAY "T150P2O3XS$;"
160 RETURN
165 LOCATE 3
170 PRINT ,"Traditional 18th century
 words and tune from London (3/4)"
175 LOCATE 7
180 PRINT ,,"2. ORANGES AND LEMONS"
185 PRINT ""
```

```
190 PRINT ,"Oran-ges and/le-mons, Sa
y the/bells of Saint/Clem-ents."
195 PRINT ,"You/owe me five/farthing
s, Say the/bells of Saint/Mar-tin's"
200 PRINT ""
205 PRINT ,"When will you pay me? Sa
y the bells of Old Bailey."
210 PRINT ,"When I grow rich, Say th
e bells of Shoreditch."
215 PRINT ""
220 PRINT ,"When will that be? Say t
he bells of Stepney."
225 PRINT ,"I'm sure I don't know, S
ays the great bell of Bow."
230 PRINT ""
235 PRINT ,"Here comes a candle t-o
light you to bed,"
240 PRINT ,"Here comes a chopper t-o
 chop off your head."
245 T1$="04C403A04C 03AFG8A8 B-G04C
03AF04C C03A04C 03AFG8A8 B-G04C 03AF
2"
250 T2$="03GEG ECD8E8 FDG EC2 GEG C2
D8E8 FDG C2."
255 T3$="04C03A04C 03F2G8A8 B-G04C O
3F204C C03A04C 03F2G8A8 B-G04C 03F2.
"
260 T4$="04C03A04C 03AFMLG8MNA8 B-GO
4C 03F2. 04C03A04C 03AFMLG8MNA8 B-AG
 F2."
265 PLAY "T140P2XT1$;XT2$;XT3$;XT4$;
"
270 RETURN
275 LOCATE 7
280 PRINT ,"            3. BRAHMS' LUL
LABY - CLOSE YOUR EYES            (3
/4)"
285 PRINT ""
```

```
290 PRINT ,"Close your/eyes, close y
our/eyes, go to/sleep now, my/dar-li
ng"
295 PRINT ,"There's a/sand-man, old
and/wise, bring-ing/hap-py dreams to
/you."
300 PRINT ,"Set-tle/down and go to/s
leep 'til the/qui-et night/pass-es,"
305 PRINT ,"You are/safe in my/arms,
 in my/arms all night/through."
310 PRINT ""
315 PRINT ,"Now the moon, rid-ing hi
gh, turns the shad-ows to sil-ver,"
320 PRINT ,"And the night winds, wit
h a sigh, whis-per soft a-cross the
hill."
325 PRINT ,"It's a bright en-chanted
 land where the un-i-corn dances"
330 PRINT ,"'til the stars dis-ap-pe
ar, and the whole world is still."
335 B1$="O3P2E8E8 G2E8E8 G2E8G8 O4C0
3BA AGD8E8 FDD8E8 F2D8F8 B8A8GB O4C2
O3C8C8"
340 B2$="O4C.C8O3A8F8 G2C8C8 FGA EGC
8C8 O4C2O3A8F8 G2E8C8 FED C2."
345 PLAY "T100XB1$;XB2$;XB1$;XB2$;"
350 RETURN
355 LOCATE 3
360 PRINT "Old Welsh tune, words by
Sir Harold Boulton 1884 (4/4)"
365 LOCATE 7
370 PRINT "              4. ALL THROUGH
THE NIGHT"
375 PRINT ""
380 PRINT "Sleep, my love, and/peace
 at-tend thee,/All through the/night
;"
```

```
385 PRINT "Guard-ian an-gels/God wil
l send thee,/All through the/night;"
390 PRINT "Soft the drow-sy/hours ar
e creep-ing,/Hill and dale in/slum-b
er steep-ing;/"
395 PRINT "I my lov-ing/vi-gil keep-
ing,/All through the/night."
400 PRINT ""
405 PRINT "Angels watching ever roun
d thee, All through the night;"
410 PRINT "In thy slumbers close sur
round thee, All through the night;"
415 PRINT "They should of all fears
disarm thee, No foreboding should al
arm thee,"
420 PRINT "They will let no peril ha
rm thee, All through the night."
425 N1$="O3G.F#8EGA.G8F#DE2F#.F#8G1"
430 N2$="O4C.O3B8O4CDEDCO3BO4CO3BAGB
.A8GF#G.F#8EGA.G8F#DE2F#.F#8G1"
435 PLAY "T100XN1$;XN1$;XN2$;XN1$;XN
1$;XN2$;"
440 RETURN
445 LOCATE 3
450 PRINT ,"Traditional words and tu
ne (2/4)"
455 LOCATE 7
460 PRINT ,"                  5. MICHAEL
FINNIGIN"
465 PRINT ""
470 PRINT ,"There/once was a man nam
ed/Mi-chael Fin-ni-gin,/"
475 PRINT ,"He grew whis-kers/on his
 chin-ni-gin,"
480 PRINT ,"The/wind came out and/bl
ew them in-i-gin,/"
485 PRINT ,"Poor old Mi-chael/Fin-ni
```

```
ng / Begin-in-i-gin)."
490 M1$="O3P4P8D8 G8G16G16G8G8 B8O4D
8O3B16A16G8 A8A8A8A8 F#8A8F#16E16D16
D16"
495 M2$="O3G8G8G8G8 B8O4D8O3B16A16G8
 A8A8D8F#8 G16G16G16G16G16G16G8"
500 GOSUB 580
505 LOCATE 10
510 PRINT ,"He kicked up an awful di
nigin,          "
515 PRINT ,"Because they said he mus
t not sinigin,        "
520 GOSUB 580
525 LOCATE 10
530 PRINT ,"He went fishing with a p
inigin,"
535 PRINT ,"Caught a fish but droppe
d it inigin,  "
540 GOSUB 580  .
545 LOCATE 10
550 PRINT ,"Climbed a tree and barke
d his shinigin,"
555 PRINT ,"Took off several yards o
f skinigin, "
560 GOSUB 580
565 LOCATE 10
570 PRINT ,"He grew fat and he grew
thinigin,          "
575 PRINT ,"Then he died, and we hav
e to beginigin,"
580 PLAY "T100XM1$;XM2$;"
585 RETURN
590 LOCATE 3
595 PRINT ,"Traditional 18th century
 words and tune (6/8)"
600 LOCATE 7
605 PRINT ,"          6. RIDE A COCK HO
RSE"
```

```
610 PRINT ""
615 PRINT ,"Ride a cock horse to Ban
-bu-ry Cross,"
620 PRINT ,"To see a fine la-dy on a
 white horse;"
625 PRINT ,"Rings on her fin-gers an
d bells on her toes,"
630 PRINT ,"And she shall have mu-si
c where ev-er she goes."
635 R1$="O3E8.B16B8BB8 O4C#8.D#16C#8
O3BB8 A8.B16A8MLG#8MNA8G#8 F#8.G#16F
#8E."
640 R2$="E8.B16B8B8B8B8 O4C#8.D#16C#
8O3BB8 A8.B16A8G#8A8G#8 F#8.G#16F#8E
."
645 PLAY "XR1$;XR2$;"
650 RETURN
655 LOCATE 1
660 PRINT ,"Traditional words and tu
ne (2/4)"
665 LOCATE 4
670 PRINT ,"            8. EARLY ONE MOR
NING"
675 PRINT ""
680 PRINT ,"1. Ear-ly one/morn-ing j
ust/as the sun was/ris-ing,"
685 PRINT ,"I/heard a maid/sing in t
he/val-ley be-/low:"
690 PRINT ,"O, don't de-/ceive me,/O
, ne-ver/leave me."
695 PRINT ,"How could you/use a/poor
 mai-den/so?"
700 PRINT ""
705 PRINT ,"2. Remember the vows tha
t you made to me truly,"
710 PRINT ,"Remember how tenderly yo
u nestled close to me."
```

```
715 PRINT ,"Gay is the garland, fres
h are the roses"
720 PRINT ,"I've culled from the gar
den to bind over thee."
725 PRINT ""
730 PRINT ,"3. Here I now wander alo
ne as l wonder"
735 PRINT ,"Why you did leave me to
sigh and complain."
740 PRINT ,"I ask of the roses, why
should I be forsaken,
745 PRINT ,"Why must I in sorrow rem
ain?"
750 E1$="O3EE8E8 MLE8MNG#8B8B8 O4C#8
O3A8F#8E8 MLD#8MNF#8O2B8B8O3 EE8E8 M
LE8MNG#8B8B8 MLO4C#8O3MNA8F#8D#8 E2"
755 E2$="F#G#8A8MLB8MNG#8E4F#G#8A8ML
B8MNG#8EMLE8MNG#8B8O4E8MLD#8MNC#8O3M
LB8MNA8MLG#8MNF#8E8D#8E2"
760 PLAY "T80P2XE1$;XE2$;XE1$;XE2$;X
E1$;XE2$;"
765 CLS
770 LOCATE 3
775 PRINT ,"4. Through yonder grove,
 by the spring that is running,"
780 PRINT ,"There you and I have so
merrily played,"
785 PRINT ,"Kissing and courting and
 gently sporting:"
790 PRINT ,"Oh, my innocent heart yo
u've betrayed."
795 PRINT ""
800 PRINT ,"5. How can you slight so
 a pretty girl that loves you,"
805 PRINT ,"A pretty girl that loves
 you so dearly and warm,"
810 PRINT ,"Though love's folly is s
urely but a fancy,"
```

```
815 PRINT ,"Still it should prove to
 me sweeter than your scorn."
820 PRINT ""
825 PRINT ,"6. Soon you will meet wi
th another pretty maiden,"
830 PRINT ,"Some pretty maiden, you'
ll court her for awhile,"
835 PRINT ,"Thus ever ranging, turni
ng and changing,"
840 PRINT ,"Always seeking for a gir
l that is new."
845 PRINT ""
850 PRINT ,"7. Thus sang the maiden,
 her sorrows bewailing,"
855 PRINT ,"Thus sang the maid in th
e valley below:"
860 PRINT ,"'O, don't deceive me, O,
 never leave me,"
865 PRINT ,"How could you use a poor
 maiden so?'"
870 PLAY "T80XE1$;XE2$;XE1$;XE2$;XE1
$;XE2$;XE1$;XE2$;"
875 RETURN
900 'Old Welsh tune, words by Thomas
 Moore, 1779-1852.  (4/4)
905 'THE MINSTREL BOY
910 A0$="O2A"
912 A1$="O3D.E8MLG8MNF#8MLE8MND8 F#A
O4DC#8.D16 O3BAMLF#8.MNG16MLA8MNF#8
E2D"
915 A2$="O4DC#O3BO4C#8D8 C#O3BAA# B.
F#8F#A# MLB.MNO4C#8DD"
920 A3$= "XA0$;XA1$;XA0$;XA1$;P4XA2$
;XA1$;"
925 PLAY "T100XA3$;XA3$;"
930 RETURN
```

OVERTURE

هذا البرنامـج هو عبارة عن معزوفة «Overture» لتشايكوفسكي ، وهي من أجمل ما ألّف ، وكما نعلم بأن معزوفة «The Lone Ranger» مقتبسة عن هذه المعزوفة .

لحفظ هذا البرنامـج استعمل له اسم «OVERTURE».

```
10 WIDTH 80:COLOR 7,0,0:CLS
20 PRINT USING"&";"-----------------
------------------------------------
-------------------------- |";
30 LOCATE 2,80:PRINT USING"&";"||";
40 LOCATE 3,80:PRINT USING"&";"||";
50 LOCATE 4,80:PRINT USING"&";"||";
60 LOCATE 5,80:PRINT USING"&";"||";
70 LOCATE 6,80:PRINT USING"&";"||";
80 LOCATE 7,80:PRINT USING"&";"||";
90 LOCATE 8,17:PRINT"========   ====
========     =======       =======";
100 LOCATE 8,80:PRINT USING"&";"||";
110 LOCATE 9,17:PRINT"========   ===
===========   ========     ========"
;
120 LOCATE 9,80:PRINT USING"&";"||";
130 LOCATE 10,19:PRINT"====        ==
==    ====     =======   ========";
```

```
140 LOCATE 10,80:PRINT USING"&";"||"
;
150 LOCATE 11,19:PRINT"====          ==
========          ========  ========";
160 LOCATE 11,80:PRINT USING"&";"||"
;
170 LOCATE 12,19:PRINT"====          ==
========          ====  =======  ====";
180 LOCATE 12,80:PRINT USING"&";"||"
;
190 LOCATE 13,19:PRINT"====          ==
==    ====       ====   =====  ====";
200 LOCATE 13,80:PRINT USING"&";"||"
;
210 LOCATE 14,17:PRINT"========     ==
============   ======    ===   ======
";
220 LOCATE 14,80:PRINT USING"&";"||"
;
230 LOCATE 15,17:PRINT"========     ==
==========     ======     =    ======
";
240 LOCATE 15,80:PRINT USING"&";"||"
;
250 LOCATE 16,80:PRINT USING"&";"||"
;
260 LOCATE 17,80:PRINT USING"&";"||"
;
265 LOCATE 17,17:PRINT "             **
* William Tell Overture ***   ";
270 LOCATE 18,80:PRINT USING"&";"||"
;
280 LOCATE 19,80:PRINT USING"&";"||"
;
285 LOCATE 19,17:PRINT "As Developed
 by the CDR Software Department !!!!
";
```

```
290 LOCATE 20,80:PRINT USING"&";"||"
;
300 LOCATE 21,80:PRINT USING"&";"||"
;
310 LOCATE 22,80:PRINT USING"&";"| -
--------------------------------
--------------------------------
------ ";

450 LOCATE 21,17:PRINT "
                     ";
460 CNT% = 0
500 KEY OFF
520 PLAY "MBL16T155"
521 PLAY "o2mnb4p8msbbmnb4p8msbbb8g#
8"
522 PLAY "e8g#8b8g#8b8o3e8o2b8g#8e8g
#8"
523 PLAY "b8g#8b8o3e8o2mnb4p8msbbmnb
4"
524 PLAY "p8msbbmnb4p8msbbmnb4p8msbb
"
525 PLAY "b8bbb8b8b8bbb8b8b8bb"
526 PLAY "b8b8b8bbb8b8m1b2"
527 PLAY "b2b8p8p4p4"
528 PLAY "p8mso1bbb8bbb8bbo2e8f#8g#8
o1bb"
529 PLAY "b8bbo2e8g#g#f#8d#8o1b8bbb8
bb"
530 PLAY "b8bbo2e8f#8g#8eg#m1b4bmsag
#f#"
531 PLAY "e8g#8e8o3bbb8bbb8bbo4e8f#8
"
532 PLAY "g#8o3bbb8bbo4e8g#g#f#8d#8o
3b8bb"
533 PLAY "b8bbb8bbo4e8f#8g#8m1eg#b4"
534 PLAY "bag#f#mse8g#8e8o3g#g#g#8g#
```

```
g#g#8g#g#"
535 PLAY "g#8o4c#8o3g#8o4c#8o3g#8o4c
#8o3g#8f#8e8d#8"
536 PLAY "c#8g#g#g#8g#g#g#8g#g#g#8o4
c#8o3g#8o4c#8"
537 PLAY "o3g#8o4c#8o3b8a#8b8a#8b8g#
g#g#8g#g#"
538 PLAY "g#8g#g#g#8o4c#8o3g#8o4c#8o
3g#8o4c#8o3g#8f#8"
539 PLAY "e8d#8c#8g#g#g#8g#g#g#8g#g#
g#8o4c#8"
540 PLAY "o3g#8o4c#8o3g#8o4c#8o3b8a#
8b8o2bbb8f#f#"
541 PLAY "f#8f#f#f#8g#8a8f#4mna8msg#
8mne4"
542 PLAY ."msg#8f#8f#8f#8o3f#f#f#8f#f
#f#8g#8"
543 PLAY "a8mnf#4msa8g#8mne4msg#8f#8
o2bb"
544 PLAY "b8o1bbb8bbb8bbo2mne8f#8g#8
o1bb"
545 PLAY "b8bbo2e8g#g#f#8d#8o1b8bbb8
bb"
546 PLAY "b8bbo2e8f#8g#8eg#m1b4mnbag
#f#"
547 PLAY "e8g#8e8o3bbb8bbb8bbo4e8f#8
"
548 PLAY "g#8o3bbb8bbo4e8g#g#f#8d#8o
3b8bb"
549 PLAY "b8bbb8bbo4e8f#8g#8mleg#m1b
4"
550 PLAY "mnbag#f#mne8g#8e8o3mle56f5
6g56a56b56o4c56d56mne8eee8e8g#4."
551 PLAY "f#8e8d#8e8c#8mso3bo4c#o3bo
4c#o3b"
552 PLAY "o4c#d#eo3ababao4c#d#o3g#a
g#ag#abo4c#o3f#"
```

```
553 PLAY "g#f#g#f#g#f#g#f#g#f#d#o2bo
3mlbo4c#d#e8d#8e8"
554 PLAY "c#8o3msbo4c#o3bo4c#o3bo4c#
d#eo3abababo4c#d#o3g#"
555 PLAY "ag#ag#abo4c#o3f#g#f#g#f#af
#emne8p8mlc#4"
556 PLAY "mnc#o2cmso3c#o2co3d#c#o2ba
ag#ec#c#c#c#e"
557 PLAY "d#o1cg#g#g#g#g#g#o2c#eg#o3
c#c#c#c#c#o2co3c#o2co3d#"
558 PLAY "c#o2baag#ec#c#c#c#ed#o1c
g#g#g#g#g#mng#"
559 PLAY "o2c#eg#o3msc#ed#c#d#o2cg#g
#g#o3g#ec#d#o2cg#g#g#"
560 PLAY "o3g#ec#d#o2bg#g#a#gd#d#g#g
g#gg#ag#f#e"
561 PLAY "o1ba#bo2eo1bo2f#o1bo2g#ed#
eg#eaf#bo3g#f#ed#"
562 PLAY "f#ec#o2bo3c#o2bo3c#d#ef#g#
o2ababo3c#d#ef#o2g#"
563 PLAY "ag#aco3c#d#eo2f#g#f#g#f#g#
f#g#f#g#f#d#o1b"
564 PLAY "co2c#d#eo1ba#bo2eo1bo2f#o1
bo2g#ed#eg#eaf#b"
565 PLAY "o3g#f#ed#f#ec#o2bo3c#o2bo3
c#d#ef#g#o2ababo3c#"
566 PLAY "d#ef#o2g#ag#abo3c#d#eo2f#o
3c#o2co3c#d#c#o2af#mne"
567 PLAY "o3mlef#g#abo4c#d#mne8mseee
8e8g#4."
568 PLAY "msf#8mse8d#8e8c#8o3bo4c#o3
bo4c#o3bo4c#d#eo3a"
569 PLAY "bababo4c#d#o3g#ag#ag#abo4c
#o3f#g#f#g#f#"
570 PLAY "MBL16T155":PLAY "g#f#g#f#g
#f#d#o2bo3mlbo4c#d#mne8eee8e8g#4."
571 PLAY "msf#8e8d#8e8c#8o3bo4c#o3bo
```

```
4c#o3b"
572 PLAY "o4c#d#eo3abababo4c#d#o3g#a
g#ag#abo4c#o3f#"
573 PLAY "g#f#g#f#ag#f#e8o2b8o3e8g#g
#g#8mng#g#g#8"
574 PLAY "g#g#g#8o4c#8o3g#8o4c#8o3g#
8o4c#8o3g#8f#8e8"
575 PLAY "d#8c#8g#g#g#8g#g#g#8g#g#g#
8o4c#8o3g#8"
576 PLAY "o4c#8o3g#8o4c#8o3b8a#8b8a#
8b8g#g#g#8"
577 PLAY "g#g#g#8g#g#g#8o4c#8o3g#8o4
c#8o3g#8o4c#8o3g#8"
578 PLAY "f#8e8d#8c#8g#g#g#8g#g#g#8g
#g#g#8"
579 PLAY "o4c#8o3g#8o4c#8o3g#8o4c#8o
3b8a#8b8a#8b8"
580 PLAY "o2f#f#f#8f#f#f#8g#8a8f#4a8
g#8"
581 PLAY "e4g#8f#8o0b8o1b8o2f#f#f#8f
#f#f#8"
582 PLAY "g#8a8f#4a8g#8e4g#8f#8"
583 PLAY "bbb8o1bbb8bbb8bbo2e8f#8g#8
"
584 PLAY "o1bbb8bbo2e8g#g#f#8d#8o1b8
bbb8"
585 PLAY "bbb8bbo2e8f#8g#8eg#mlb4mnb
"
586 PLAY "ag#f#e8o1b8o2e8o3bbb8bbb8b
bo4e8"
587 PLAY "f#8g#8o3bbb8bbo4e8g#g#f#8d
#8o3b8"
588 PLAY "bbb8bbb8bbo4e8f#8g#8o3eg#m
lb4"
589 PLAY "mnbag#f#mlef#g#mnamlg#abo4
mnc#mlo3bo4c#d#mnemld#"
590 PLAY "ef#mng#ao3bo4ao3bo4ao3bo4a
```

```
o3bo4ao3bo4ao3bo4ao3bo4ao3bmle"
591 PLAY "f#g#mnamlg#abmno4c#mlo3bo4
c#d#mnemld#ef#mng#ao3bo4ao3bo4a"
592 PLAY "o3bo4ao3bo4ao3bo4ao3bo4ao3
bo4ao3bp16mlg#o4g#o3mng#p16mld#o4d#o
3mnd#p16"
593 PLAY "mleo4eo3mnep16mlao4ao3mnap
16mlg#o4g#o3mng#p16mld#o4d#o3mnd#p16
mleo4eo3mnep16"
594 PLAY "mlao4ao3mnao4go3go4go3go4g
o3go4go3go4msg8e8c8e8o4mng#"
595 PLAY "o3g#o4g#o3g#o4g#o3g#o4g#o3
g#o4msg#8e8o3b8o4e8mng#o3g#o4g#o3g#o
4g#"
596 PLAY "o3g#o4g#o3g#o4msg#8f8c#8f8
mna#o3a#o4a#o3a#o4a#o3a#o4a#o3a#o4ms
a#8"
597 PLAY "g8e8g8b8p16mna#p16ap16g#p1
6f#p16ep16"
598 PLAY "d#p16c#p16o3bp16a#p16ap16g
#p16f#p16ep16d#p16f#mle"
599 PLAY "f#g#mnamlg#abmno4c#o3mlbo4
c#d#mnemld#ef#mng#ao3bo4ao3bo4a"
600 PLAY "o3bo4ao3bo4ao3bo4ao3bo4ao3
bo4ao3bmlef#g#mnamlg#abmno4c#o3mlb"
601 PLAY "o4c#d#mnemld#ef#mng#ao3bo4
ao3bo4ao3bo4ao3bo4ao3bo4ao3bo4a"
602 PLAY "o3bo4ao3bp16mlg#o4g#o3mng#
p16mld#o4d#o3mnd#p16mleo4eo3mnep16ml
ao4ao3mnap16"
603 PLAY "mlg#o4g#o3mng#p16mld#o4d#o
3mnd#p16mleo4eo3mnep16mlao4ao3mnao4g
o3go4go3go4g"
604 PLAY "o3go4go3go4g8e8c8e8g#o3g#o
4g#o3g#o4g#o3g#o4g#o3g#o4g#8"
605 PLAY "e8o3b8o4e8g#o3g#o4g#o3g#o4
g#o3g#o4g#o3g#o4msg#8mnf8c#8"
606 PLAY "f8a#o3a#o4a#o3a#o4a#o3a#o4
```

```
a#o3a#o4a#8g8e8g8b8"
607 PLAY "p16a#p16ap16g#i
d#p16c#p16o3bp16a#p16"
608 PLAY "ap16ap16g#p1[illegible]
6fmled#ed#mne8bbb8"
609 PLAY "bbb8bbo4e8f#8g#8o3bbb8bbb8
"
610 PLAY "bbo4g#8a8b8p8e8f#8g#8p8o3g
#8"
611 PLAY "a8b8p8p2o2bco3c#dd#"
612 PLAY "eff#gg#aa#bco4c#d#ed#f#d#e
d#f#d#e"
613 PLAY "d#f#d#ed#f#d#ed#f#d#ed#f#d
#ed#f#d#e"
614 PLAY "d#f#d#e8eo3eo4eo3eo4eo3eo4
e8o3bo2bo3bo2bo3bo2bo3b8"
615 PLAY "g#o2g#o3g#o2g#o3g#o2g#o3g8
eo2eo3eo2eo3eo2eo3e8eee8"
616 PLAY "e8e8o2bbb8b8b8g#g#g#8g#8g#
8"
617 PLAY "eee8e8e8o1b8o2e8o1b8o2g#8e
8b8"
618 PLAY "g#8o3e8o2b8o3e8o2b8o3g#8e8
b8g#8o4e4"
619 PLAY "p8eee8e8e8e8e4p8."
620 PLAY "ee4p8.o2ee2"
```


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تنضيد
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ABJAD GRAPHICS

تنفيذ
مطبعة المتوسط
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تصميم الغلاف
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